

Service Manual

PIONEER
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DEH-P725R/EW



ORDER NO.
CRT1812

MULTI-CD CONTROL HIGH POWER CD PLAYER WITH ID-LOGIC TUNER

DEH-P725R EW

DEH-P725R-W EW

MULTI-CD CONTROL HIGH POWER CD PLAYER WITH ID-LOGIC TUNER

DEH-P725 UC

DEH-P725-W UC

MULTI-CD CONTROL HIGH POWER CD PLAYER WITH FM/AM TUNER

DEH-P723 ES

DEH-P625 UC

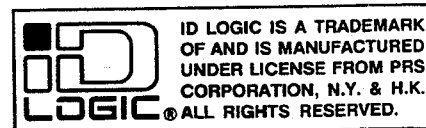
MULTI-CD CONTROL CD PLAYER WITH FM/AM TUNER

DEX-P88 UC

MULTI-CD CONTROL CD PLAYER WITH RDS TUNER

DEX-P77R EW

COMPACT
disc
DIGITAL AUDIO



- See the separate manual CX-597 (CRT1811) for the CD mechanism description and disassembly.
- The CD mechanism employed in this model is one of CX-597 series.

CONTENTS

1. SAFETY INFORMATION	2	8. LCD	28
2. SPECIFICATIONS	3	9. ELECTRICAL PARTS LIST	31
3. OPERATION AND CONNECTION	4	10. BLOCK DIAGRAM	45
4. DISASSEMBLY	9	11. CIRCUIT DIAGRAM AND PATTERN	47
5. ADJUSTMENT	10	12. EXPLODED VIEW AND PARTS LIST	88
6. TEST MODE	12	13. PACKING METHOD	96
7. IC INFORMATION	16		

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 501 Orchard Road, #10-00, Lane Crawford Place, Singapore 0923

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DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

Using the SRS function (DEH-P725R/EW, P725R-W/EW, P725/UC, P725-W/UC, P723/ES)

This stereo CD player's SRS function provides the pleasure of listening to music of superb depth and breadth in the relaxed atmosphere of your own vehicle.

Notes:

1. The SRS function does not operate when the Tuner is selected as the source.
2. The SRS effects can be changed to match the style of music.



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1. SAFETY INFORMATION

1.1 DEH-P725/UC,P725-W/UC,P625/UC,DEX-P88/UC

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely; you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5). When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

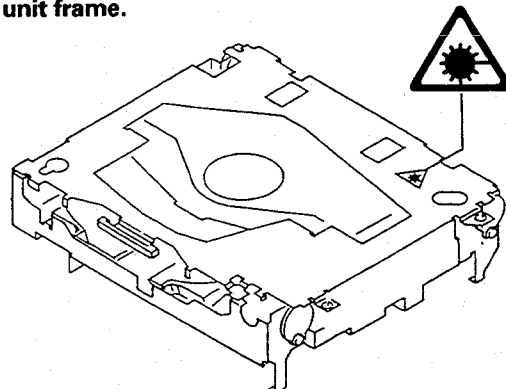
1.2 DEH-P725R/EW,P725R-W/EW,DEX-P77R/EW

1. Safety Precautions for those who Service this Unit.

- When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

1. During repair or tests, minimum distance of 13cm from the focus lens must be kept.
2. During repair or tests, do not view laser beam for 10 seconds or longer.
2. A "CLASS 1 LASER PRODUCT" label is affixed to the bottom of the player.
3. The triangular label is attached to the mechanism unit frame.



4. Specifications of Laser Diode

Specifications of laser radiation fields to which human access is possible during service.

Wavelength = 800 nanometers

2. SPECIFICATIONS

General

Power source	14.4 V DC (10.8 — 15.1 V allowable)
Grounding system	Negative type
Max. current consumption	8.0 A
Dimensions	
(mounting size)	178 (W) × 50 (H) × 157 (D) mm
(front face)	188 (W) × 58 (H) × 16 (D) mm
Weight	1.7 kg

Amplifier

Maximum power output	35 W × 4
Continuous power output	22 W × 4 (DIN45324, +B=14.4 V)
Load impedance	4 Ω (4 — 8 Ω allowable)
Preout output level/output impedance	500 mV/ 1 kΩ
Sub-woofer output	
Crossover frequency	50 Hz, 80 Hz, 125 Hz
Crossover slope	-18 dB/oct
Tone controls	
(Bass)	±12 dB (80 Hz)
(Middle)	±12 dB (400 Hz)
(Treble)	±12 dB (10 kHz)
Loudness contour	+10 dB (100 Hz), +7 dB (10 kHz) (volume: -30 dB)

CD player

System	Compact disc audio system
Usable discs	Compact disc
Signal format	Sampling frequency: 44.1 kHz Number of quantization bits: 16; linear
Frequency characteristics	5 — 20,000 Hz (±1 dB)
Signal-to-noise ratio	94 dB (1 kHz)(IEC-A network)
Dynamic range	90 dB (1 kHz)
Number of channels	2 (stereo)

FM tuner

Frequency range (EW, ES)	87.5 — 108 MHz
Frequency range (UC)	87.9 — 107.9 MHz
Usable sensitivity	11 dBf (1.0 μV/75Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity	16 dBf (1.7 μV/75Ω, mono)
Signal-to-noise ratio	70 dB (IEC-A network)
Distortion	0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response	30 — 15,000 Hz (±3 dB)
Stereo separation	40 dB (at 65 dBf, 1 kHz)

MW (AM) tuner

Frequency range (EW, ES)	531 — 1,602 kHz
Frequency range (UC, ES)	530 — 1,710 kHz
Usable sensitivity	18 μV (25 dB) (S/N: 20 dB)
Selectivity	50 dB (±9 kHz)

LW tuner (EW)

Frequency range	153 — 281 kHz
Usable sensitivity	30 μV (30 dB) (S/N: 20 dB)
Selectivity	50 dB (±9 kHz)

Note:

Specifications and the design are subject to possible modification without notice due to improvements.

3. OPERATION AND CONNECTION

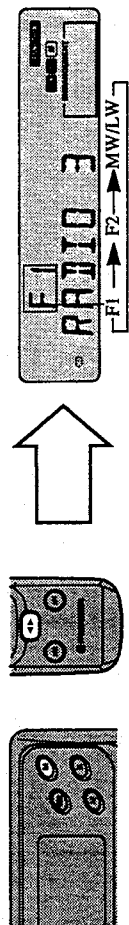
Tuner Operation

Tuner Source and Band

- Push the **SO** button or the **TUNER** button to select Tuner.
The program service name or frequency appears on the display.
("SD" indicator lights when stereo station selected.)



- Use the **Band** button to select the desired band.
(F1, F2, MW/LW)

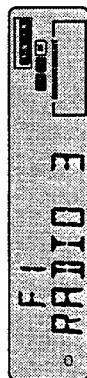


Function Switching

Generally speaking, operation is conducted with Function ON. It is conducted with Function OFF in the following cases:

Tuner:

- Preset Tuning
- Preset Memory
- Multi-CD player:
- Disc Number Search



- Press the **F** button to switch function OFF.
"FUNCTION" disappears.
Press the **F** button again to switch Function ON.
"FUNCTION" appears on the display.



AF Function Switching

This tuner/CD player's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

- Press the **AF** button to switch AF OFF. "AF" disappears.
Press the **AF** button again to switch AF ON. "AF" appears on the display.



Manual and Seek Tuning

Both Manual (step-by-step) and Seek (automatic) tuning are available.

1. Press button **12** for 2 seconds or longer to switch alternately between the Manual and Seek tuning modes.

The "MANU" indicator lights when Manual tuning is selected and turns OFF when Seek tuning is selected.



2. Press the **(F)** or **(B)** button to tune the receiver to a higher frequency.

MANU ON (Manual tuning):

The frequency changes step by step.

MANU OFF (Seek Tuning):

The tuner automatically seeks out and receives broadcasting stations.



- Press the **(L)** or **(R)** button to tune the receiver to a lower frequency.

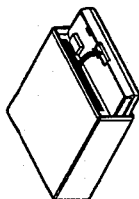
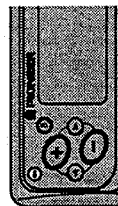


Using the Built-in CD Player

The built-in CD player plays one standard 12 cm or 8 cm (single) CD at a time. Do not use an adapter when playing 8 cm CD.

Inserting and Removing Discs

1. Press the Open button to open the front panel.

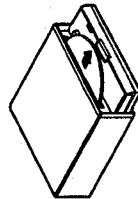


2. Insert the disc with the recorded (iridescent) surface down.

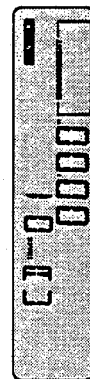
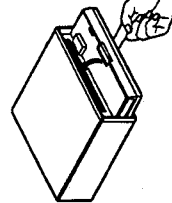
CD playback begins immediately, whether or not the player is ON or the built-in CD source selected. The track number and playing time are displayed.



- Press the Eject button on the inside of the front panel to eject any disc loaded in the disc slot.

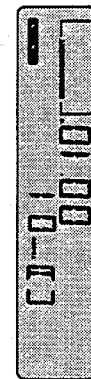


3. Close the front panel by swinging it gently upward.



Playing the Built-in CD player

- To play a CD that is already loaded, press the SO or CD/MCD button with a CD loaded to select the built-in CD player. The built-in CD player is selected only when a CD is loaded.



Using Multi-CD Players

Multi-CD player operation

- Press the SO button or the CD/MCD button to select the multi-CD player source.

The message "MCD" ("Multi-CD player repeat"), the multi-CD player, disc and track numbers, and the playback time are displayed.

Notes:

1. You cannot select the Multi-CD player source if no multi-CD player is installed or no magazine is loaded in an installed multi-CD player.
2. The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
3. If the multi-CD player cannot operate properly, an error message such as "ERROR-80" (No disc) is displayed.



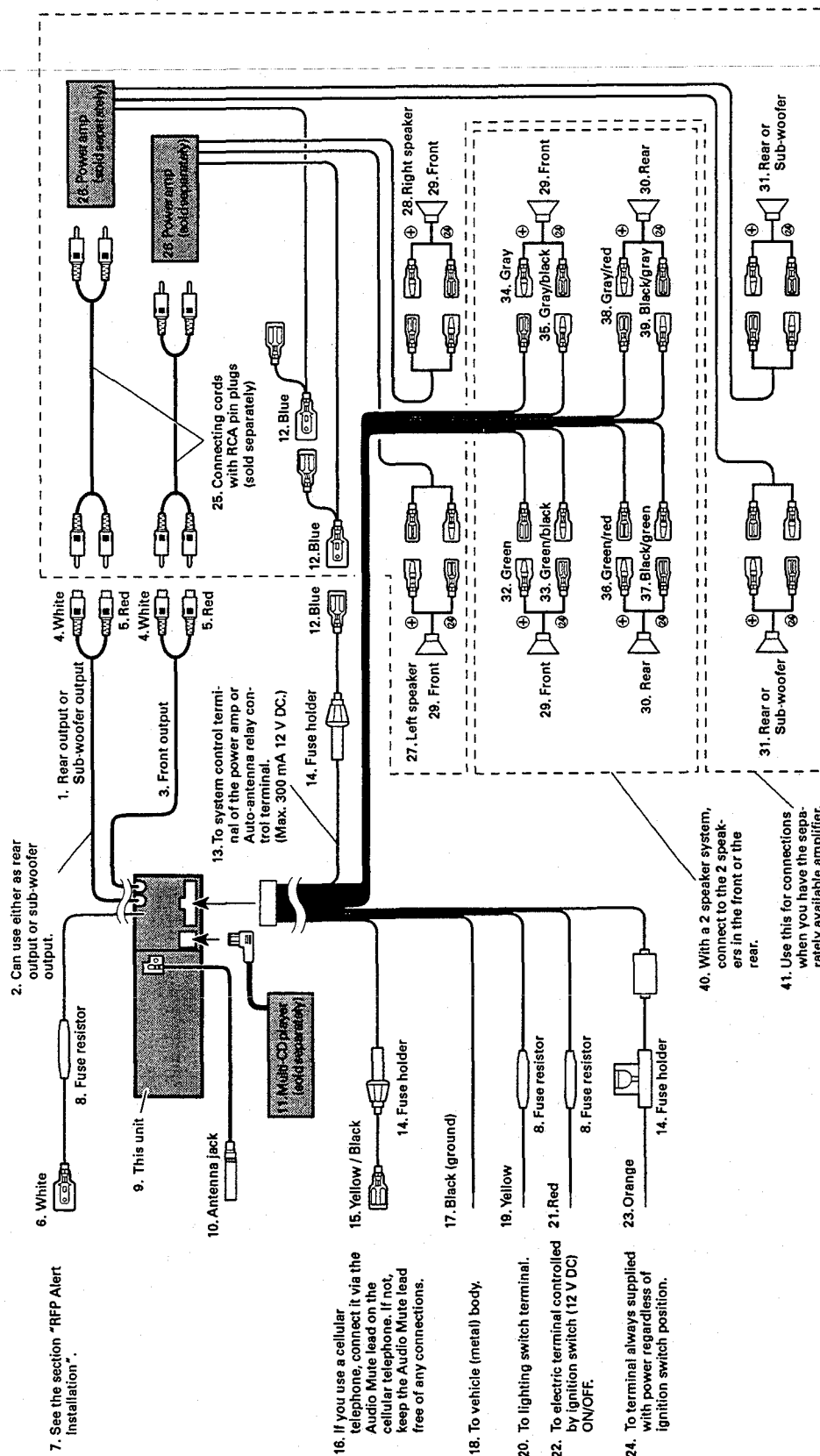
Switching the Multi-CD Player

- Select the multi-CD player you want to use by pressing the Band button while watching the multi-CD player number display.



DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

● Connection Diagram



DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

4. DISASSEMBLY

● **Removing the Case(not shown)**

1. Remove the one screw.(Only DEX-P88/UC, P77R/EW)
Remove the two screws.(Except for DEX-P88/UC, P77R/EW)
2. Insert and turn a flat screwdriver to remove the case.
3. Raise the case to remove.

● **Removing the Detach Grille Assy(not shown)**

1. Press the detach button.
2. Remove the detach grille assy.

● **Removing the CD Mechanism Module(Fig.1)**

1. Remove the four screws A.
2. Disconnect the connector C.
3. Remove the CD mechanism module.

● **Removing the Panel Assy(Fig.1)**

1. Remove the two screws B.
1. Disconnect the two connectors D.
2. Press the four stoppers at locations indicated by allows, and then pull out the panel assy.

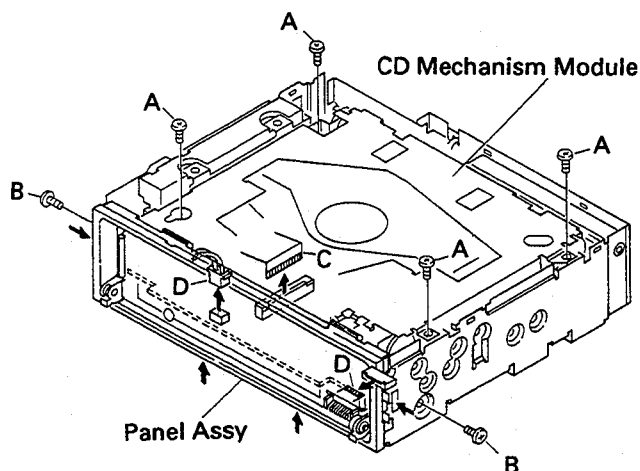


Fig.1

● **Removing the Tuner Amp Unit(Fig.2)**

1. Remove the two screws A, one screw B, one screw C, the three screws D, the holder and one screw E(only DEX-P88/UC, P77R/EW).
3. Unbend the tabs at three locations indicated by arrows until straight.
3. Remove the tuner amp unit.

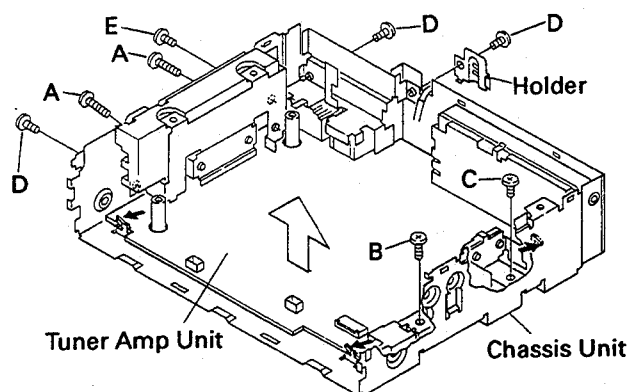


Fig.2

● **Removing the Cover Unit(Fig.3)**

1. Remove the four screws.
2. Press the three stoppers at locations indicated by allows, and then pull out the cover unit.

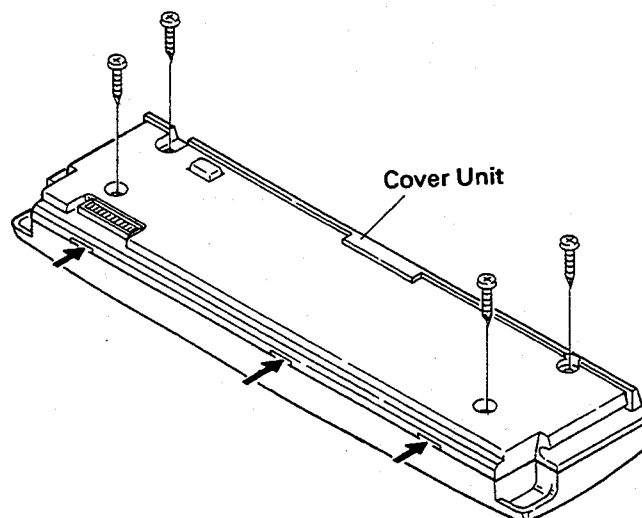


Fig.3

5. ADJUSTMENT

● Connection Diagram

NOTE:
Select C1 so that total capacity of 80pF is attained from
the direction of the receiver jack.
Z: Output impedance of SSG.

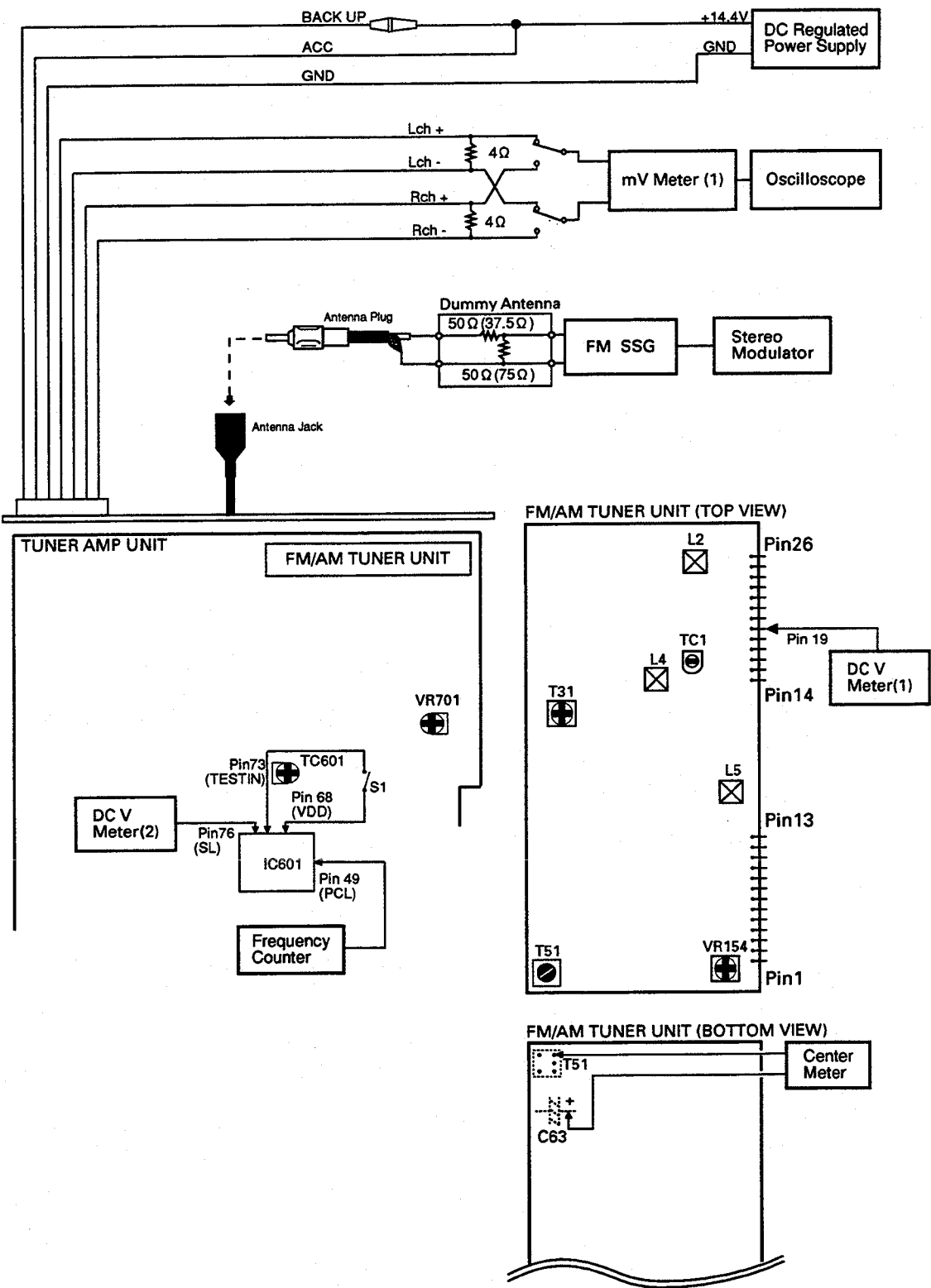


Fig.4

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

FM ADJUSTMENT(EW, ES MODEL)

Modulation M: MONO MOD., 400Hz 30%(22.5kHz Dev.)

S1: STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

S2: STEREO MOD., 1kHz, L or R=60%(40.50kHz+7.5kHz Dev.)

NOTE: Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
TUN Volt	1	.....	.....	108.0	L5	DC V Meter(1) : 6V
IF	1	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	1	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	1	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
Image	1	129.3 M	60-80	107.9	TC1	mV Meter(1) : Minimum
IFT	1	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	1	98.1 S1	39	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

FM ADJUSTMENT(UC MODEL)

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
TUN Volt	1	.....	.....	107.9	L5	DC V Meter(1) : 6V
IF	1	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	1	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	1	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
IFT	1	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	1	98.1 S1	39	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

RDS SL ADJUSTMENT

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
	1	104.0 S2	35	104.0	VR701	DC V Meter(2) : 1.75V±0.05V

CLOCK ADJUSTMENT

No.	Adjustment Point	Adjustment Method
1		S1 : ON
2	TC601	Frequency Counter : 1.048576MHz±2Hz

6. TEST MODE

6.1 TEST MODE

1)Precautions

- This unit uses a single power supply (+5V) for the regulator. The signal reference potential, therefore, is connected to REFO(approx. 2.5V) instead of GND.

If REFO and GND are connected to each other by mistake during adjustments, not only will it be impossible to measure the potential correctly, but the servo will malfunction and a severe shock will be applied to the pick-up. To avoid this, take special note of the following.

Do not connect the negative probe of the measuring equipment to REFO and GND together. It is especially important not to connect the channel 1 negative probe of the oscilloscope to REFO with the channel 2 negative probe connected to GND.

Since the frame of the measuring instrument is usually at the same potential as the negative probe, change the frame of the measuring instrument to floating status.

If by accident REFO comes in contact with GND, immediately switch the regulator or power OFF.

- Always make sure the regulator is OFF when connecting and disconnecting the various filters and wiring required for measurements.
- Before proceeding to further adjustments and measurements after switching regulator ON, let the player run for about one minute to allow the circuits to stabilize.
- Since the protective systems in the unit's software are rendered inoperative in test mode, be very careful to avoid mechanical and /or electrical shocks to the system when making adjustment.
- Test mode starting procedure
Switch ACC, back-up ON while pressing the 4 and 6 keys together.

- Test mode cancellation
Switch ACC, back-up OFF.

- Disc detection during loading and eject operations is performed by means of a photo transistor in this unit. Consequently, if the inside of the unit is exposed to a strong light source when the outer casing is removed for repairs or adjustment, the following malfunctions may occur.

*During PLAY, even if the eject button is pressed, the disc will not be ejected and the unit will remain in the PLAY mode.

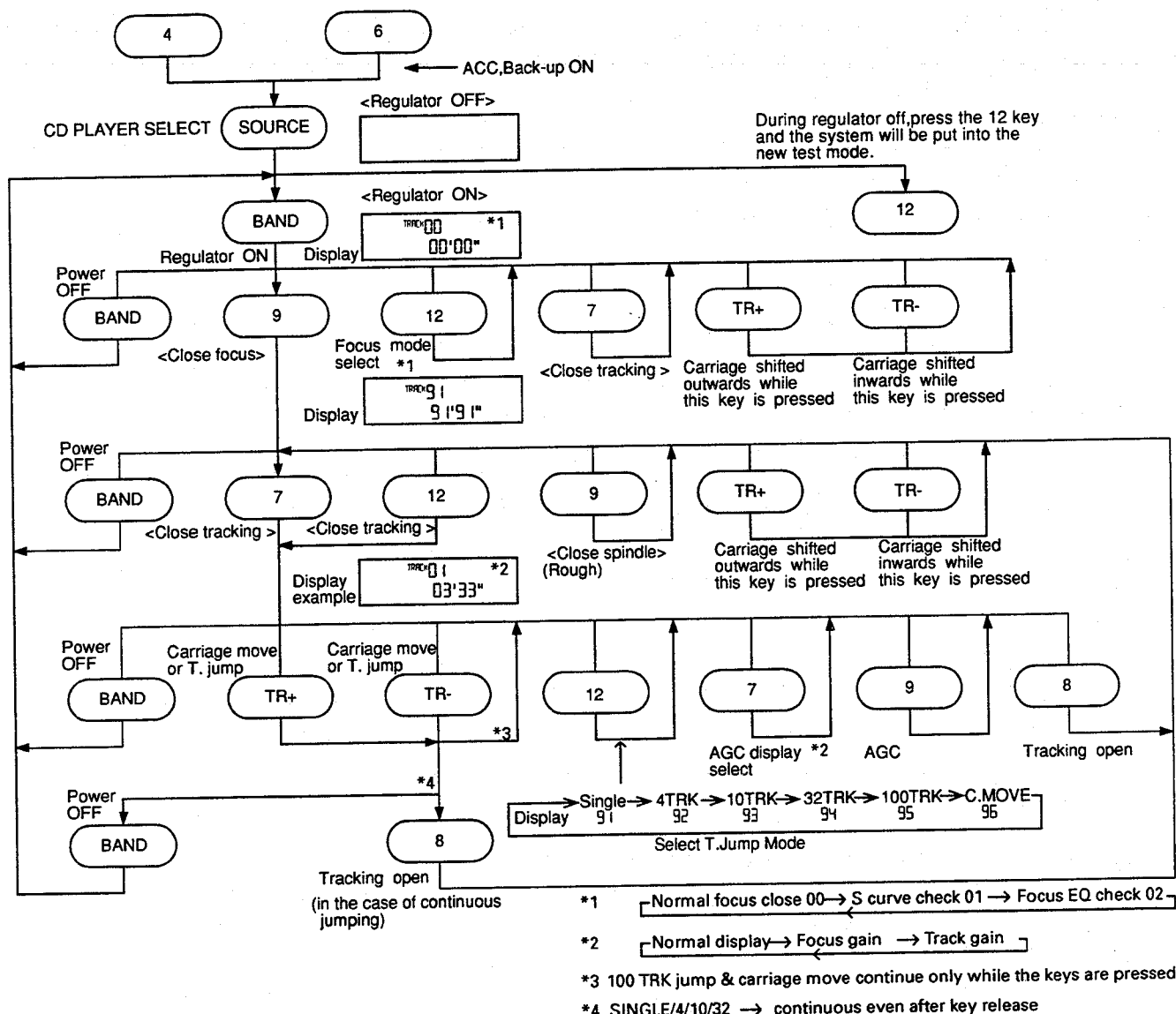
*The unit will not load a disc.

When the unit malfunctions this way, either re-position the light source, move the unit or cover the photo transistor.

- When loading and unloading discs during adjustment procedures, always wait for the disc to be properly clamped or ejected before pressing another key. Otherwise, there is a risk of the actuator being destroyed.
- Turn power off when pressing the button TR+ or the button TR- key for focus search in the test mode. (Or else lens may stick and the actuator may be damaged.)
- SINGLE/4TRK/10TRK/32TRK will continue to operate even after the key is released. Tracking is closed the moment C-MOVE is released.
- JUMP MODE resets to SINGLE as soon as power is switched off.

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

● Flow Chart



DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

6.2 ERROR NUMBERS AND NEW TEST MODE

● Error Number Indication

If the CD should fail to operate or if an error has taken place during operation the player will enter into the error mode, and the cause of the error will be numerically indicated.

This is aimed at assisting in analysis or repair.

(1) Basic Means of Display

· With ERROR indicated in "MODE" on IP-BUS Display data, an error code is transmitted by the use of MIN and SEC.

The MIN and SEC data will be identical.

· Examples of Display ERROR-XX

(2) Error Codes

Error Code	Classification	Description	Cause/Detail
10	ELECTRIC	Carriage home failure	Carriage doesn't move to or from the innermost position →Home switch failed and/or carriage immobile
11	ELECTRIC	Focus failure	Focus failed →Defects, disc upside-down, severe vibration
12	ELECTRIC	SETUP failure Subcode failure	Spindle failed to lock or subcode unreadable →Spindle defective, defect, severe vibration
14	ELECTRIC	Mirror failure	Unrecorded CD-R The disc is upside-down, defects, vibration
17	ELECTRIC	Set up failure	AGC protect failed →Defects, disc upside-down, severe vibration
30	ELECTRIC	Search time out	Failed to reach target address →Carriage/tracking defective and/or defects
A0	SYSTEM	Power failure	Power overvoltage or short circuit detected →Switching transistor defective and/or power abnormal

"defects" means scratches, dirt etc on the surface of the disc.

● New Test Mode(aging operation and setup analysis)

The single CD player plays in normal mode. After being set up, it will display FOK (focus), LOCK (spindle), subcode, sound skip, protection against a mechanical error or the like, occurrence of an error, cause and time of an expiry, if any, (and disc number).

During the setup, the CD software operation status (internal RAM and C-point) is displayed.

(1) How to enter NEW TEST Mode

See the test mode flow chart Page 13.

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

(2) Relations of keys between TEST and NEW TEST Modes

Keys	Test Mode		New Test Mode	
	Regulator OFF	Regulator ON	PLAY in progress	Error Occurred, Protection Activated
BAND	Regulator ON	Regulator OFF	—	Time of occurrence / cause of error select
TR+	—	FWD-KICK	TRACK+ / FF	—
TR-	—	REV-KICK	TRACK- / REV	—
7	—	TRACKING CLOSE	SCAN	—
8	—	TRACKING OPEN	MODE	—
9	—	FOCUS CLOSE	ITP	—
12	To New Test Mode Select	FOCUS MODE	AUTO/MANU	—

Operations, such as EJECT, CD ON/OFF, etc. are performed normally.

(3) Error Cause (Error Number) Code

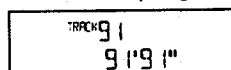
Error Code	Classification	Mode	Description	Cause	Detail
40	ELECTRIC	PLAY	FOK=L 100ms	Put out of focus	Scratch, Stain, Vibration, Servo defect, etc...
41	ELECTRIC	PLAY	LOCK=L 100ms	Spindle unlock	
42	ELECTRIC	PLAY	Subcode unacceptable 500ms	Failed to read subcode	
43	ELECTRIC	PLAY	Sound skipped	Last address memory operated	

(4) Indicating an Operation Status During Setup

Status No.	Description	Protection operation
01	Carriage home mode started	None
02	Carriage moving inwards	10-second time out, Home switch failed
03	Carriage moving outwards	10-second time out, Home switch failed
05	Carriage moving outwards	None
11	Setup started	None
12	Spindle turn/Focus search started	None
13	Waiting for focus closure (XSI=L)	Failure to close focus
10, 14	Waiting for focus closure (FOK=H)	Failure to close focus
15, 16, 17	Focus closed, Tracking open	Focus disrupted
18	During focus AGC Subcode waiting	Focus disrupted
19	During tracking AGC	Disrupted focus
20	Waiting for MIRR, LOCK or subcode read Carriage closed, SPINDLE=ADAPTIVE	Focus disrupted, MIRR NG, Failure to lock, Failed to read subcode

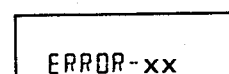
(5) Example of Display.

•SET UP in progress

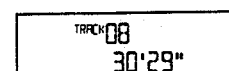


•Operation (PLAY, SEARCH, etc.) in progress perfectly identical with that in the normal mode.

•Protection/Error upon occurrence
(a) Error number indicated



(b) Track number and absolute time indicated



Select the display with the BAND key.

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

7. IC INFORMATION

● Pin Functions(PD4635A, PD4636A)

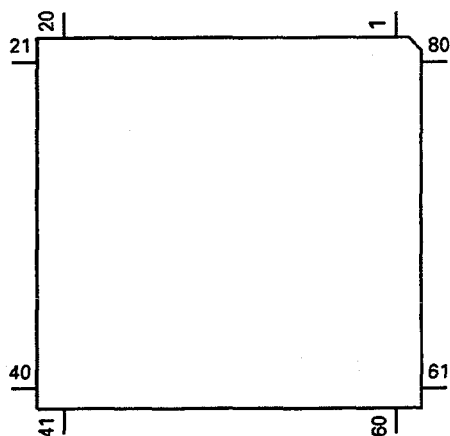
Pin No.	Pin Name	I/O	Format	Function and Operation
1	EJTSNS	I		Disc EJECT position detect
2	DSCSNS	I		Disc detect
3	ISENS	I		Illumination sense input
4	AVSS			A/D converter ground potential
5	TELIN	I		TEL mute signal input
6	NC			Not used
7	AVREF1			D/A converter standard voltage
8	KYDT	I		Key data input
9	DPDT	O	C	Display data output
10	SWVDD	O	C	Grille power supply control output
11	RIDDI	I		Communication data input
12	RIDDO	O	C	Communication data output
13	RIDCK	O	C	Communication clock output
14	RIDRST	O	C	Reset output
15	RIDSEL	O	C	Select output
16	XSI	I		Serial input (CD)
17	XSO	O	C	Serial output (CD)
18	XSCK	O	C	Clock output (CD)
19	XSTB	O	C	Strobe output (CD)
20	CD5VON	O	C	CD +5V power control output (CD)
21	XAO	O	C	CD LSI data discernment control signal output
22	XRST	O	C	Reset output (CD)
23	CONT	O	C	Server driver power control output (CD)
24	VDCONT	O	C	VD power control output (CD)
25	CDMUTE	O	C	CD mute control output (CD)
26	CDEJET	O	C	LOAD motor eject control output
27	CDLOAD	O	C	LOAD motor loading control output
28	LOCK	I	C	Spindle lock detector input
29	FOK	I	C	FOK signal input
30	DRELAY	O	C	External relay output
31	DRSENS	I		Door open/close sense input
32	DOORH	O	C	Door system select output
33	VSS			GND
34	ASENBO	O	C	Slave power supply control output
35	TUNPW	O	C	Tuner power control output
36	tmute	O	N	Tuner mute output
37	CDPW	O	N	CD power control
38	DLED	O	N	Alarm LED output
39	VSRs	O		SRS output
40	MIRR	I		Mirror detector input
41	ILMPW	O	C	Illumination power supply control output
42	CLAMP	I		Disc clamp sense input
43	BUSMUTE	O	C	IP BUS mute output
44	CSNS	I		Flap close sense input
45	PEE	O	C	Beep tone output
46	MUTE	O	C	Mute output
47	SYSPW	O	C	System power supply control output
48	PCK	O	C	PLL clock output
49	PCL	O	C	Clock adjustment output
50	PDO	O	C	Data output for PLL IC
51	PCE	O	C	Chip enable output for PLL IC
52	PDI	I		PLL data input
53	ST	I		Stereo input
54	LCDPW	O	C	LCD power supply control output
55	ADPW	O	C	A/D converter power supply output
56	TX	O	C	IP BUS data output
57	RX	I		IP BUS data input
58	IPPW	O	C	Power supply control output for IP BUS interface IC

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

Pin No.	Pin Name	I/O	Format	Function and Operation
59	SD	I		SD input
60	RESET	I		System reset input
61	RIDRDY	I		Ready input
62	BSENS	I		Back up power sense input
63	ASENS	I		ACC power sense input
64	DSENS	I		Grille detach sense
65	VST	O	C	Strobe pulse output for electronic volume
66	VDT	O	C	Data output for electronic volume
67	VCK	O	C	Clock output for electronic volume
68	VDD			Power supply
69	X2			Crystal oscillator connection pin
70	X1			Crystal oscillator connection pin
71	IC			GND
72	XT2			Not used
73	TESTIN	I		Test mode IN/test enable
74	AVDD			A/D converter analogue power supply
75	AVREF0	I		A/D converter standard voltage input
76	SL	I		Signal level input
77	SEL0	I		Model select pin
78	PRSBWS	I		PRE OUT/SUB WOOFER select input
79	VDSSENS	I		VD short detection input
80	TEMP	I		Temperature detector input

Format	Meaning
C	C MOS
N	N channel open drain

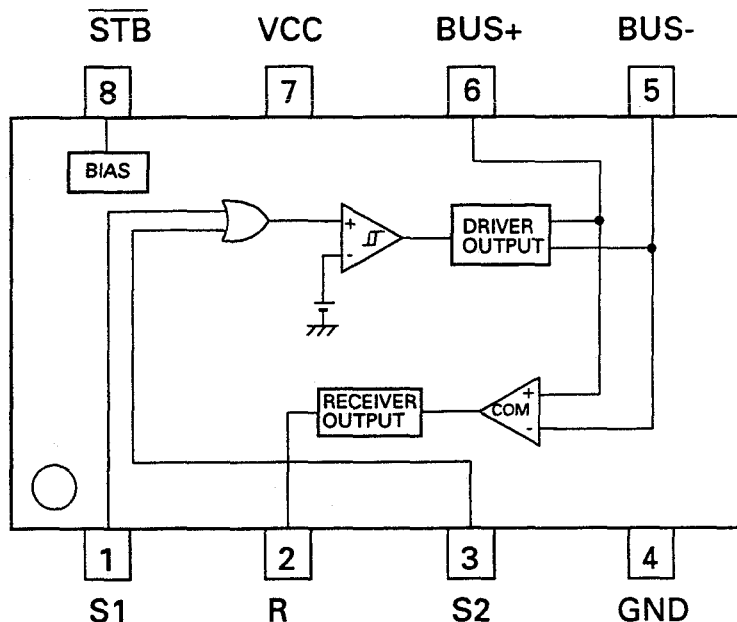
*PD4635A, PD4636A



IC's marked by* are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.

HA12187FP



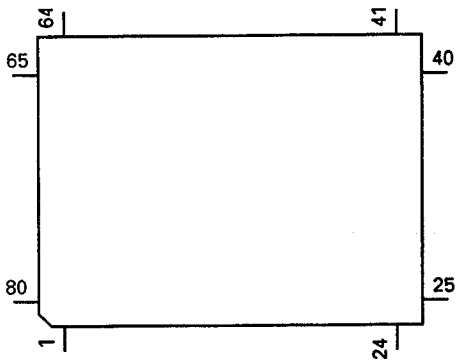
DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

● Pin Functions(PD6166A)

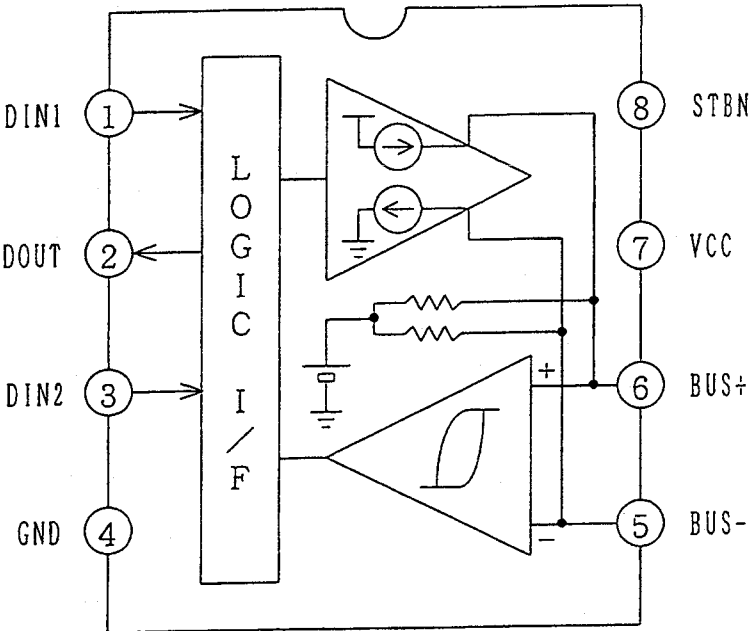
Pin No.	Pin Name	I/O	Format	Function and Operation
1	VSS			GND
2	X1			Crystal oscillator connection pin
3	X0			Crystal oscillator connection pin
4	RST	I		Reset
5	MOD1	I		Operation mode appointment input
6	MOD0	I		Operation mode appointment input
7	BACKILL	O	C	Illumination signal output
8	TX	O	C	Serial I/F data output
9	RX	I		Serial I/F data input
10	REM	I		Remote control reception
11,12	NC			Not used
13-16	KD4-1	O	C	Matrix key return
17-22	KS6-1	I		Matrix key strobe
23	VCC			5V
24-73	SEG49-0	O	C	LCD segment output
74-77	COM3-0	O	C	LCD common output
78-80	V3-1	I		LCD bias power supply

Format	Meaning
C	C MOS

*PD6166A



CA0008AM



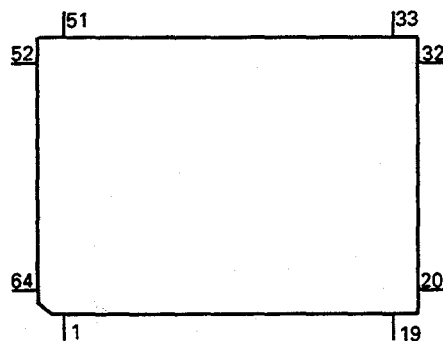
**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Pin Functions(PD6164A)**

Pin No.	Pin Name	I/O	Format	Function and Operation
1	PCK	O	N	PLL clock output
2	PDO	O	N	PLL data output
3	PDI	I		PLL data input
4	SL	I		Signal level input
5	NL	I		Noise level input
6	TRGL			Pull down
7	SOUND	I		Audio signal input
8	RMUTE	O	N	RDS mute output
9-11	OPEN			Not used
12	AVCC			Analog power supply
13	AVR			5V power supply
14	AVSS			A/D GND
15	IRSEL	I		Select input
16	RCK	I		RDS demodulation clock input
17	RDT	I		RDS demodulation data input
18	LDET	I		PLL lock sense input
19	RDSLK	I		RDS LK signal input
20	IRRST	I		Reset input
21	MOD0	I		Ground
22	MOD1	I		Ground
23	XIN	I		Crystal oscillating element connection pin
24	XOUT	O		Crystal oscillating element connection pin
25	VSS			GND
26	DRST	O	C	Decoder reset output
27	L/S		C	Sensitivity of noise level select
28	CURRO	O	C	PLL-TV-Fix output
29	IRRDY	O	C	Communication ready output
30	RECIVE			Not used
31	CORR			Not used
32	ERROR			Not used
33-39	OPEN			Not used
40	MUTCNT			Not used
41-49	OPEN			Not used
50	VSS			GND
51	TEST	I		Test terminal
52	IRCK	I		Clock input
53	IRDO	O	C	Communication data output
54	IRDI	I		Communication data input
55	PCE	O	C	Chip enable output for PLL IC
56	GD	O	C	Gate drive control output
57	VCC			5V
58	SD	I		SD signal input
59	MDSSENS	I		Modulation detect input
60-64	OPEN			Not used

*PD6164A

Format	Meaning
C	C MOS
N	N channel open drain



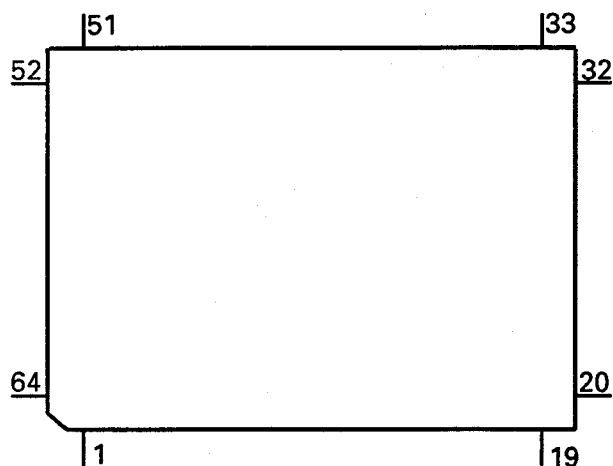
**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● Pin Functions(PD6165A)

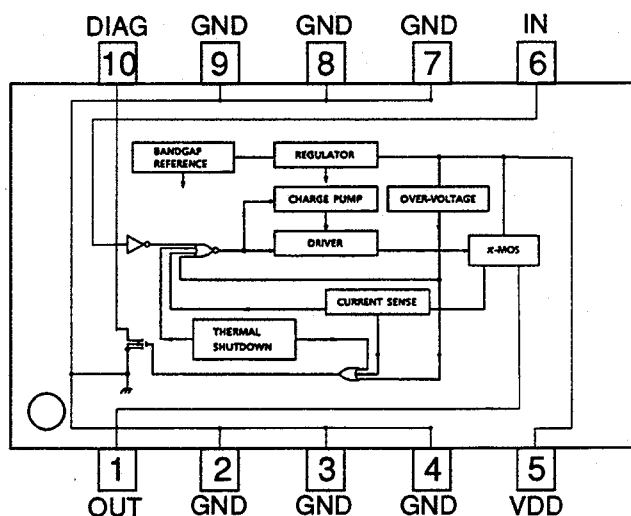
Pin No.	Pin Name	I/O	Format	Function and Operation
1-8	OPEN			Not used
9-11	ADD13-15	O	N	ROM address
12	AVCC			Analog power supply
13	AVR			5V power supply
14	AVSS			A/D GND
15	IRSEL	I		Select input
16-19	OPEN			Not used
20	IRrst	I		Reset input
21	MOD0			Ground
22	MOD1			Ground
23	XIN	I		Crystal oscillating element connection pin
24	XOUT	O		Crystal oscillating element connection pin
25	VSS			Ground
26-28	OPEN			Not used
29	IRRDY	O	C	Communication ready output
30	OE	O	C	ROM output control
31	ROMEN	O	C	ROM enable
32,33	ADD17,16	O	C	ROM address
34-41	ADD7-0	O	C	ROM address
42-49	DT7-0	I		ROM data input
50	VSS			Ground
51	TEST	I		Test terminal
52	IRsck	I		Communication clock input
53	IRDO	O	C	Communication data output
54	IRDI	I		Communication data input
55,56	OPEN			Not used
57	VCC			5V
58,59	Open			Not used
60-64	ADD8-12	O	N	ROM address

Format	Meaning
C	C MOS
N	N channel open drain

*PD6165A

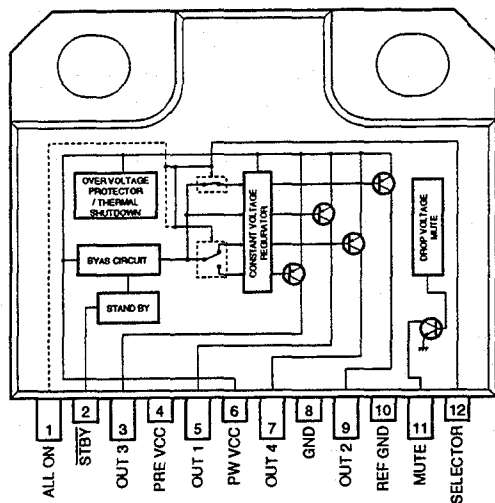


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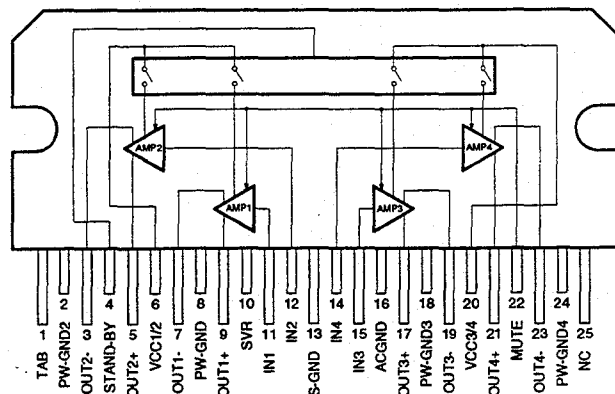


**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

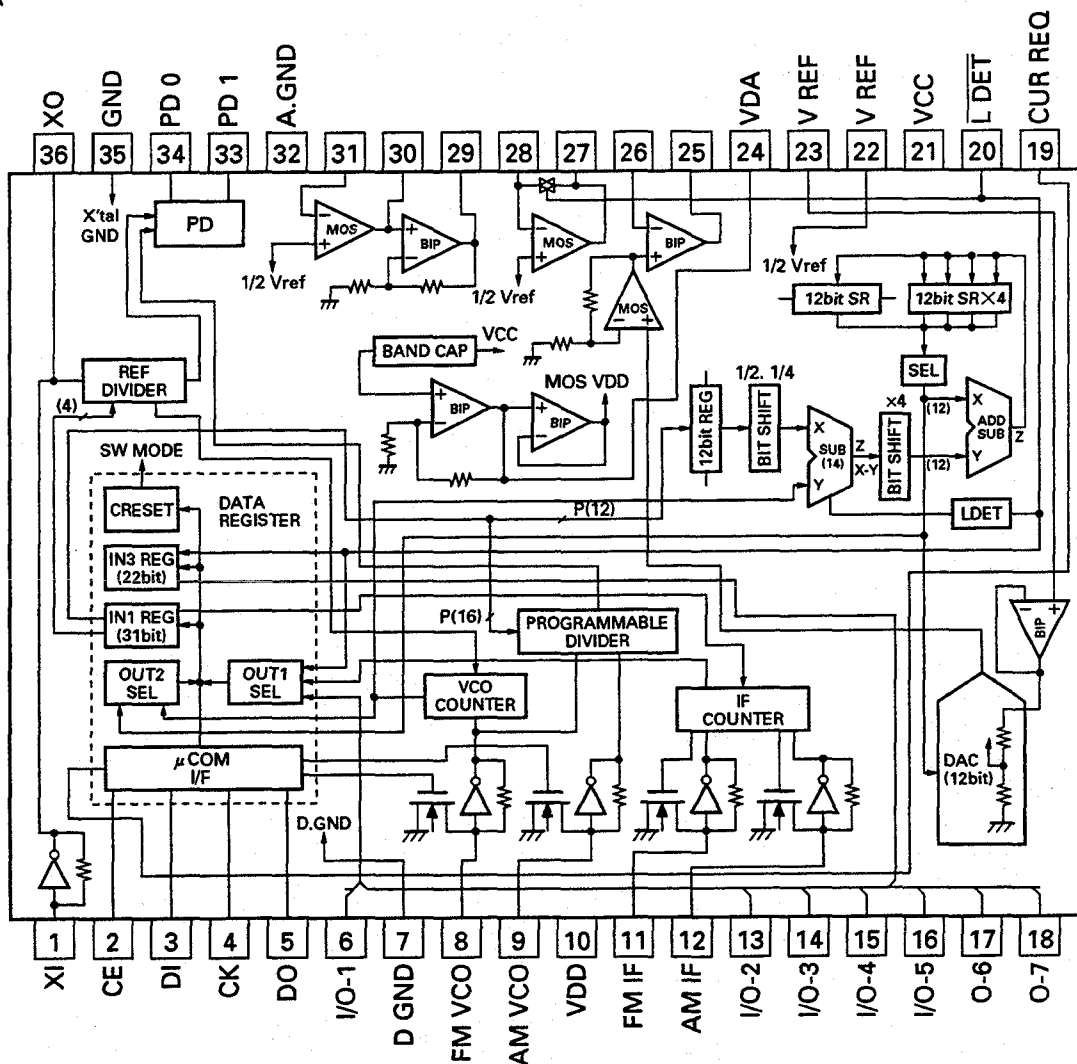
PA2024A



PAL003A



*PM2004A



**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Pin Functions(PM0008AF)**

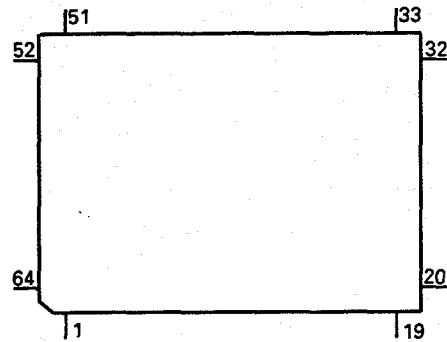
Pin No.	Pin Name	I/O	Format	Function and Operation
1	SWOUT_L	O		Selector and sound scape output
2	LOUD_L			Loudness
3	VRIN_L	I		Main volume input
4	TRE-CNT_L			Treble control
5	TONEOUT_L	O		Tone control output
6	FADERIN_L	I		Pre-fader input
7	MID-CNT_L			Middle control
8	MID-L_L			Inductor terminal
9	MID-DIF_L	I		Inductor terminal
10	BASS-CNT_L			Bass control
11	BASS-L_L			Inductor terminal
12	BASS-DIF_L	I		Inductor terminal
13	FMIN_L	I		Main input (front)
14	RMIN_L	I		Main input (rear)
15	MFOUT_L	O		Main output (front)
16	MROUT_L	O		Main output (rear)
17	PFOUT_L	O		Pre-output (front)
18	PROUT_L	O		Pre-output (rear)
19	PRE-OUT_L	O		Pre-output (fader)
20	FIE_L			Front image enhancer control
21	DVCC			Power supply (digital)
22	MUTE	O	C	System mute output
23	STB	O	C	LSI Strobe output
24	CLK	I		Master clock input
25	DATA	I		Serial data input
26	CT			Time select
27	DGND			Digital circuit GND
28	C1			Sub woofer LPF select
29	C3			Sub woofer LPF select
30	C2			Sub woofer LPF select
31	LPFOUT			Sub woofer LPF select
32	FIE_R			Front image enhancer control
33	PRE-OUT_R	O		Pre-output (fader)
34	PROUT_R	O		Pre-output (rear)
35	PFOUT_R	O		Pre-output (front)
36	MROUT_R	O		Main output (rear)
37	MFOUT_R	O		Main output (front)
38	RMIN_R	I		Main input (rear)
39	FMIN_R	I		Main input (front)
40	BASS-DIF_R	I		Inductor terminal
41	BASS-L_R			Inductor terminal
42	BASS-CNT_R			Bass control
43	MID-DIF_R	I		Inductor terminal
44	MID-L_R			Inductor terminal
45	MID-CNT_R			Middle control
46	FADERIN_R	I		Pre-fader input
47	TONEOUT_R	O		Tone control output
48	TRE-CNT_R			Treble control
49	VRIN_R	I		Main volume input
50	LOUD_R			Loudness
51	SWOUT_R	O		Selector and sound scape output
52	IN4_R	I		Sound scape volume input
53	IN3_R	I		Selector input
54	IN2_R	I		Selector input
55	IN1_R	I		Selector input
56	AVCC			Power supply (analogue)
57-59	NC			Not used
60	VREF			Noise cut terminal

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

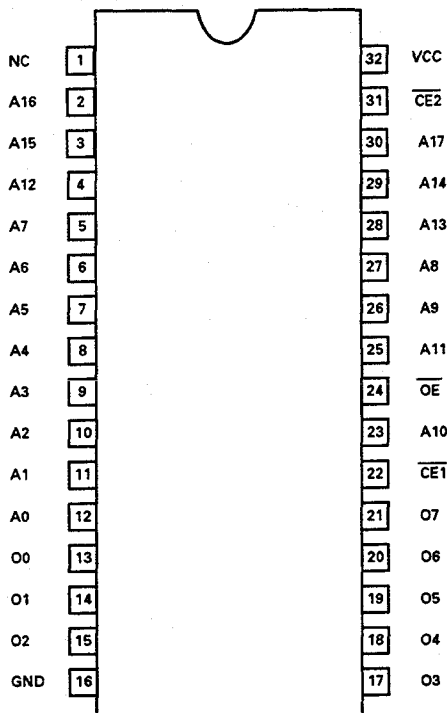
Pin No.	Pin Name	I/O	Format	Function and Operation
61	IN1_L	I		Selector input
62	IN2_L	I		Selector input
63	IN3_L	I		Selector input
64	IN4_L	I		Sound scape volume input

Format	Meaning
C	C MOS

***PM0008AF**

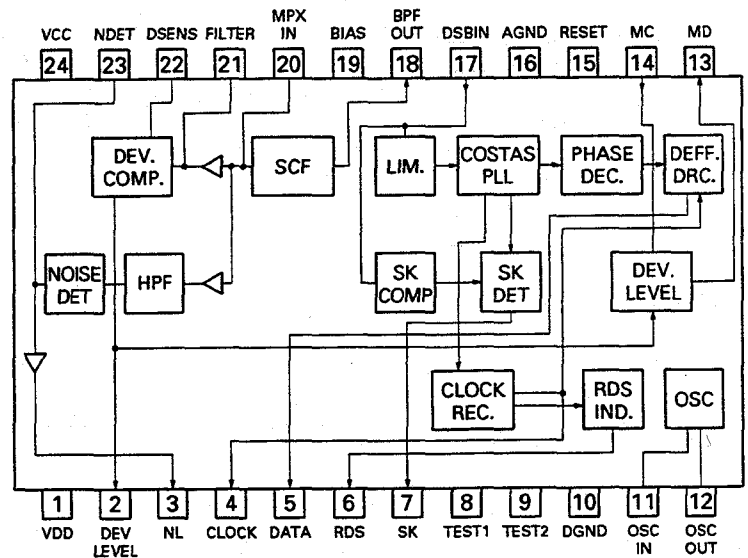


***PD4633A**



A0-A17:Address input
O0-O7 :Data output
CE1,2 :Chip enable input
OE :Output enable input

***PMW001A**

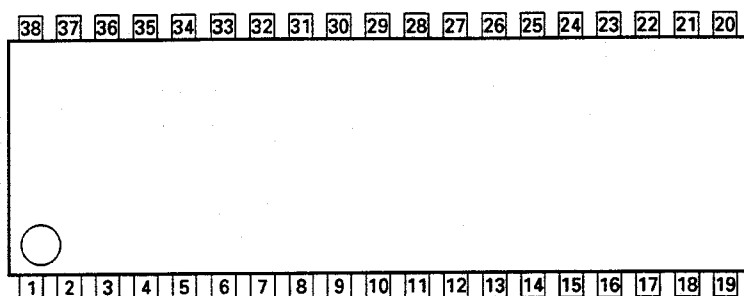


**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Pin Functions (UPC2572GS)**

Pin No.	Pin Name	I/O	Function and Operation
1	EFM-IN	I	EFM comparator input
2	AGC-OUT	O	AGC amplifier output
3	C. AGC		Connects AGC peak detection condenser
4	RF-IN	I	RF signal DC component cut input
5	RF-OUT	O	RF amplifier output
6	RF-	I	RF amplifier inverted input
7	C1, 3T		Connects RF3T component detection condenser
8	C2, 3T		Connects RF3T component detection condenser
9	Vcc		Power supply
10	A	I	A signal input
11	C	I	C signal input
12	B	I	B signal input
13	D	I	D signal input
14	F	I	F signal input
15	E	I	E signal input
16	PD	I	APC amplifier input
17	LD	O	APC amplifier output
18	LDON	I	Laser diode ON/OFF input
19	VREF-OUT	O	Reference voltage output
20	VREF-IN	I	Reference voltage input
21	DET-OUT	O	Vibration detection circuit output
22	DET-IN	I	Vibration detection circuit input
23	TE-OUT2	O	Tracking error amplifier output (fourfold gain)
24	TE-OUT1	O	Tracking error amplifier output (singlefold gain)
25	TE-	I	Tracking error amplifier inverted input
26	GND		GND
27	FE-	I	Focus error amplifier inverted input
28	FE-OUT	O	Focus error amplifier output
29	C.FE	I	Focus error signal DC component cut input
30	3T-OUT	O	RF3T component output
31	MIRR	O	MIRR signal output
32	RFOK	O	RFOK signal output
33	DEFECT	O	DEFECT signal output
34	C. DEF		Connects DEFECT signal detection condenser
35	EFM-OUT	O	EFM comparator output
36	ASY	I	EFM comparator level input
37	TE-BAL	I	Tracking balance control
38	FE-BAL	I	Focus balance control

UPC2572GS



**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

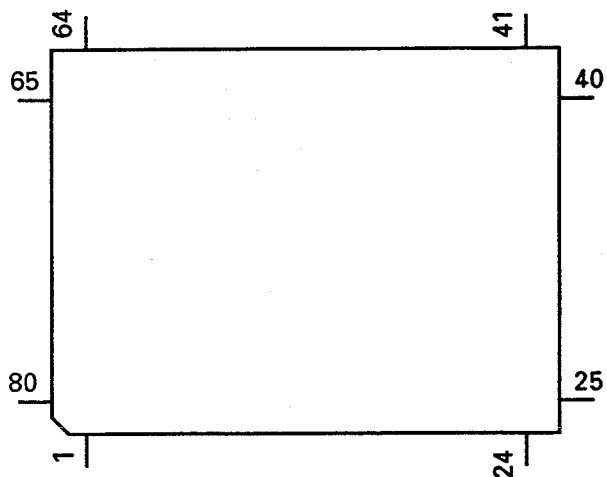
● **Pin Functions (UPD63702GF)**

Pin No.	Pin Name	I/O	Function and Operation
1	D.VDD		Supplies current of positive voltage to the logic circuits
2	RST	I	System reset input pin
3	AO	I	Microcomputer interface AO="L": STB active and set to address register AO="H": STB active and set to parameter
4	STB	I	Signal to latch serial data within the LSI
5	SCK	I	Clock input pin to input and output serial data
6	SO	O	Outputs serial data and status signal
7	SI	I	Serial data input pin
8	D.GND		Logic circuit GND
9	X.GND		Crystal oscillation circuit GND
10	XTAL	I	Crystal oscillator connection pin
11	XTAL	O	Crystal oscillator connection pin
12	X.VDD		Supplies current of positive voltage to the crystal oscillation circuit
13	DA.VDD		Supplies current of positive voltage to the D/A converter
14	R+	O	Right channel analog audio data output pin
15	R-	O	Right channel analog audio data output pin
16,17	DA.GND		D/A converter GND
18	L-	O	Left channel analog audio data output pin
19	L+	O	Left channel analog audio data output pin
20	DA.VDD		Supplies current of positive voltage to the D/A converter
21	D.VDD		Supplies current of positive voltage to logic circuit
22	FLAG	O	Flag output pin to indicate that audio data currently being output consists of noncorrectable data
23	WDCK	O	Pin to output double the frequency of LRCK
24	C16M	O	Pin to output the clock
25	EMPH	O	Output pin for the pre-emphasis data in the sub-Q code
26	DIN	I	Input pin for serial audio data
27	DOUT	O	Output pin for the serial audio data
28	SCKO	O	Output pin for the clock for the serial audio data
29	LRCK	O	Signals to distinguish the right and left channels of the audio data output from DOUT. Frequency is 44.1kHz at 50% duty at normal regeneration
30	TX	O	Output pin for the digital audio interface data
31	CTLV	I	Oscillation control pin for high-frequency clock generation VCO used for the digital PLL upon regeneration at fast speed of 2- or 4-fold
32	POUT	O	Output point for phase comparison
33	D.GND		GND for the logic circuit
34	VCO	I	Input pin for the inverter
35	VCO	O	Output pin for the inverter
36	D.VDD		Supplies current of positive voltage to the logic circuit
37	PLCK	O	Pin for monitoring the bit clock
38	LOCK	O	Indicates "H" when the synchronized pattern detection signal matches the frame counter output at the EFM recovery modulation, and "L" when they don't match
39	WFCK	O	Minute-cycle signal for the bit clock, the signal indicates the cycle of 1 frame (approx. 7.35kHz)
40	RFCK	O	Minute-cycle signal for the clock, the signal indicates cycle of 1 frame (approx. 7.35kHz)
41	D.GND		GND for the logic circuit
42,43	TEST0,1	I	Test pins
44,45	TM2, TM4	I	Pins for controlling regeneration at fast speed of 2- or 4-fold
46-49	T4-T7	I	Test pins
50,51	C1D1, C1D2	O	Output pin for indicating the C1 error correction results
52-54	C2D1-C2D3	O	Output pin for indicating the C2 error correction results
55	D.VDD		Supplies current of positive voltage to the logic circuit
56	SFSY	O	Outputs 1 word of the subcode. Generally, 1 cycle is approx 136 micro seconds
57	SBSY	O	The signal indicates the beginning of the subcode block. The SFSY signal is output at high level every 98 times
58	SBSO	O	Output pin for the subcode data

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

Pin No.	Pin Name	I/O	Function and Operation
59	SBCK	I	Input pin for the clock signal for read-out of the subcode data
60	A.GND		GND for the analog circuit
61	MD	O	Output pin for the spindle drive
62	SD	O	Output pin for the sled drive
63	TD	O	Output pin for the tracking drive
64	FD	O	Output pin for the focus drive
65	FBAL	O	Output pin for the focus balance control
66	TBAL	O	Output pin for the tracking balance control
67	A.VDD		Supplies current of positive voltage to the analog circuit
68	TBC	I	Switches coefficient banks for the tracking filter
69	EFM	I	Input pin for the EFM signal
70	HOLD	I	Input pin for the hold control signal
71	RFOK	I	Input pin for the RFOK signal
72	MIRR	I	Input pin for the MIRR signal
73	A.GND		GND for the analog circuit
74,75	VR2,1	I	The signal input through these pins is digitized to 8-bit by the A/D converter, which by operation of the assigned register, can be read into the microcomputer
76	FE	I	Inputs a focus-error signal from the RF amplifier
77	TE	I	Inputs a tracking-error signal from the RF amplifier
78	TEC	I	Input pin for the tracking comparator
79	REFOUT	O	Output point for midpoint potential for the A/D converter for the LSI portion
80	A.VDD		Supplies current of accurate voltage to the analog circuit

*UPD63702GF

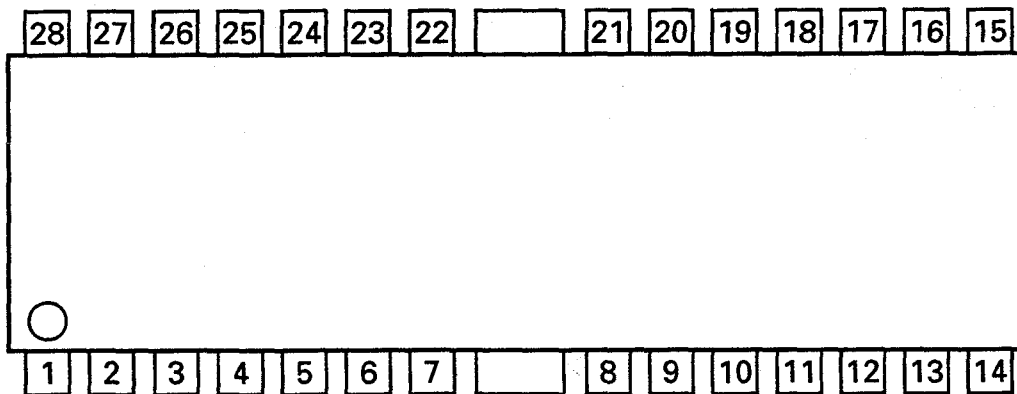


**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Pin Functions (XLA6997FP)**

Pin No.	Pin Name	I/O	Function and Operation
1	OUT1-A	O	CH1 driver output
2	OUT1-B	O	CH1 driver output
3	IN1	I	CH1 input
4	IN1'	I	CH1 gain adjustment input
5	REG-B		PowTr base connection pin for regulator
6	REG OUT	O	Regulator output PowTr collector connection pin
7	REG GND		Regulator GND/Common circuit GND
8	BIAS	I	BIAS input
9	MUTE		Mute control pin
10	REG SW		Regulator switch pin
11	TEMP MON		Humidity monitor pin
12	IN2	I	CH2 input
13	OUT2-B	O	CH2 driver output
14	OUT2-A	O	CH2 driver output
15	GND		GND
16	OUT3-A	O	CH3 driver output
17	OUT3-B	O	CH3 driver output
18	IN3''		CH3 gain adjustment pin
19	IN3'		CH3 gain adjustment pin
20	IN3	I	CH3 input
21,22	VCC		VCC
23	IN4	I	CH4 input
24	IN4'		CH4 gain adjustment pin
25	IN4''		CH4 gain adjustment pin
26	OUT4-B	O	CH4 driver output
27	OUT4-A	O	CH4 driver output
28	GND		GND

XLA6997FP



**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

8. LCD

- CAW1337 (DEH-P725R/EW)
- CAW1364 (DEH-P725R-W/EW, DEX-P77R/EW)

SEGMENT

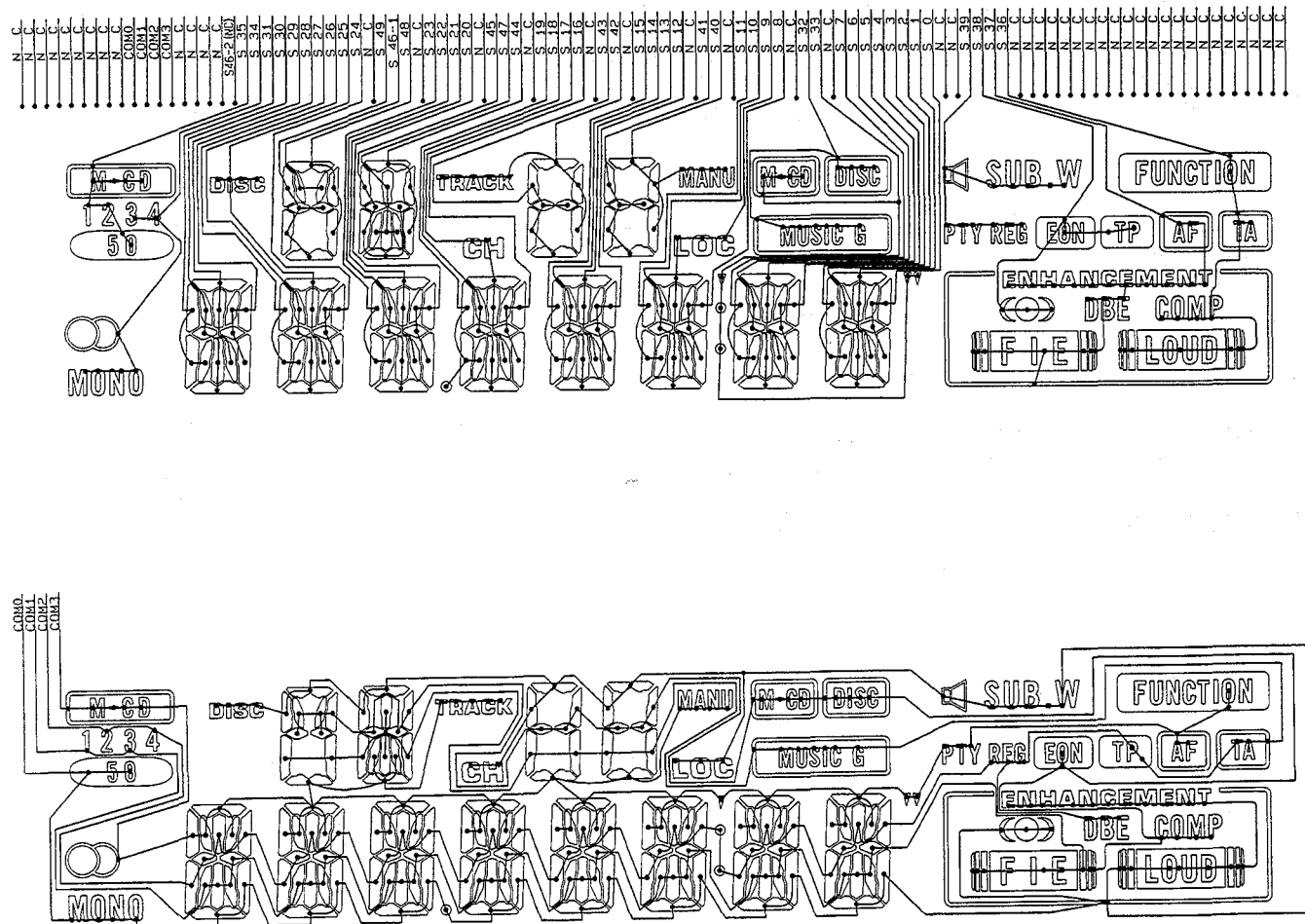
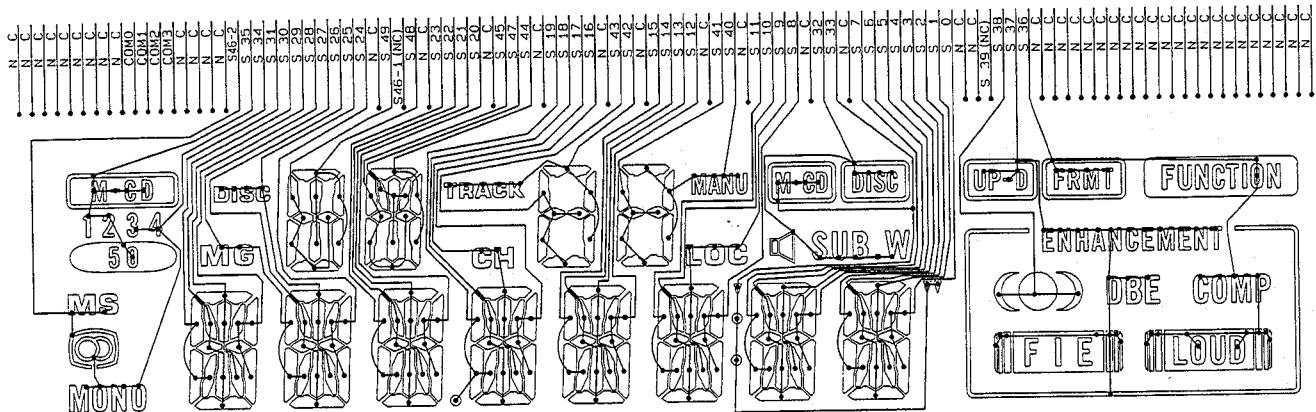


Fig. 5

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

- CAW1338 (DEH-P725/UC, P723/ES, P625/UC)
- CAW1366 (DEH-P725-W/UC)

SEGMENT



COMMON

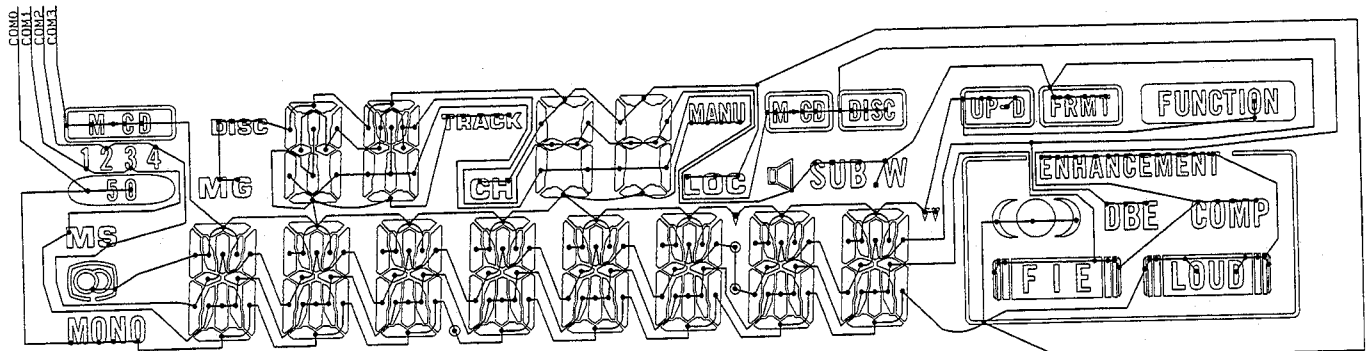
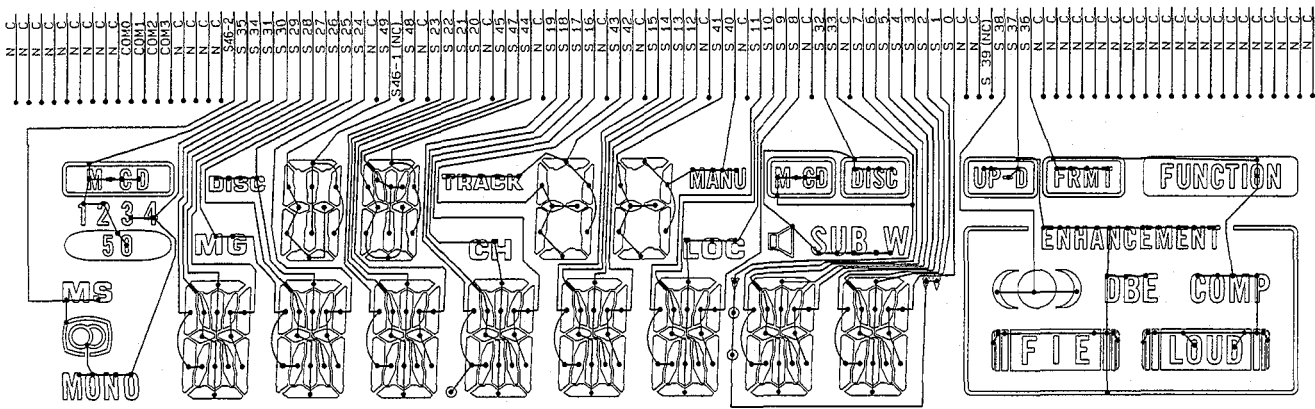


Fig. 6

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● CAW1365 (DEX-P88/UC)

SEGMENT



COMMON

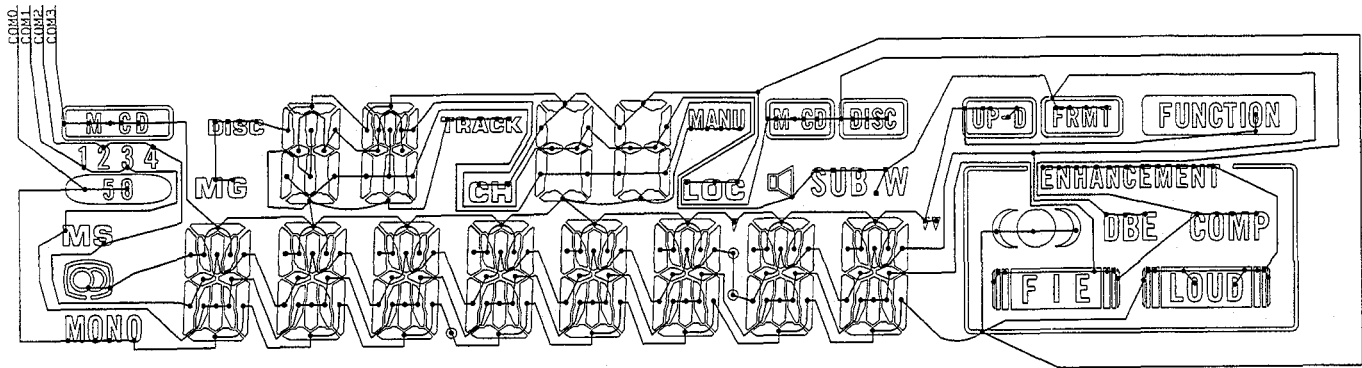


Fig. 7

9. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/OSOOOJ,RS1/OOSOOOJ

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
Unit Number : CWE1416		R 61	RS1/16S392J
Unit Name : FM/AM Tuner Unit(EW Model)		R 62 152	RS1/16S393J
MISCELLANEOUS		R 101	RS1/16S272J
IC 1	PA4023A	R 102	RS1/16S682J
IC 2	PA4024A	R 103	RS1/16S333J
Q 1 31 165 202	2SC2412KLN	R 104	RS1/16S334J
Q 2 154 203	DTC124EU	R 105	RS1/16S683J
Q 3	3SK263	R 107	RS1/16S222J
		R 151	RS1/16S222J
		R 154 239	RS1/16S104J
Q 201	2SK932		
D 4	1SV251	R 155	RS1/16S273J
D 5 7 8	KV1410	R 156	RS1/16S243J
D 6 201 202	MA157	R 157	RS1/16S203J
D 231	SVC253	R 160	RS1/16S222J
		R 161	RS1/16S563J
L 2 4	CTC1108		
L 3	LCTB2R2K2125	R 162	RS1/16S105J
L 5	CTC1107	R 163	RS1/16S222J
L 6	LCTBR15K1608	R 203	RS1/16S225J
L 51	LAU150K	R 204	RS1/16S103J
		R 206	RS1/16S220J
L 201	LAU4R7K		
L 202	LAU330K	R 207	RS1/16S101J
L 203	CTF1287	R 208 217	RS1/16S102J
L 208	LAU121K	R 209	RS1/16S471J
L 231	LAU3R3J	R 214	RS1/16S822J
		R 231	RS1/16S272J
T 31	CTE1116		
T 51	CTC1136	R 232	RS1/16S473J
TC 1	CCL1042	R 237	RS1/16S103J
CF 51 52 53	CTF1292	R 238	RS1/16S104J
CF 232	CTF1348	R 240	RS1/16S332J
		R 241	RS1/16S202J
X 151	CSS1365		
X 231	CSS1111	R 244	RS1/16S103J
VR 154	CCP1211		
AR 1	DSP-201M		
RESISTORS		CAPACITORS	
R 1	RS1/16S0R0J	C 1	CCSQCH060D50
R 4	RS1/16S154J	C 2	CCSRCH020C50
R 5	RS1/16S391J	C 4	CCSRCH820J50
R 6 10 202	RS1/16S223J	C 6	CCSRCH820J50
R 7 243 247	RS1/16S123J	C 8 18 25 31 52 59 62 105 107 213	CKSRYB103K25
R 8 17	RS1/16S332J	C 9 34 56 152 160 241	CKSQYB104K16
R 9	RS1/16S473J	C 10	CCSRCH0R5C50
R 11	RS1/16S124J	C 11	CEA010M50LL
R 13	RS1/16S563J	C 12 13 17 19 20	CKSRYB222K50
R 15	RS1/16S271J	C 14	CCSRCH220J50
R 16	RS1/16S104J	C 16	CCSRCH080D50
R 18	RS1/16S332J	C 21	CEA100M16LL
R 31	RS1/16S470J	C 22	CCSRTH090D50
R 32 215	RS1/16S822J	C 23	CCSRTH120J50
R 33	RS1/16S822J	C 24	CCSRCH471J50
R 34 35	RS1/16S331J	C 32	CKSQYB472K50
R 51	RS1/16S271J	C 33	CCSRCH050C50
R 52	RS1/16S560J	C 36	CCSRRH201J50
R 55	RS1/16S102J	C 51	CKSRYB223K25
R 56	RS1/16S823J	C 54	CCSRCH470J50

DEX-P88,P77R

Unit Number : CWE1417
Unit Name : FM/AM Tuner Unit(UCES Model)

MISCELLANEOUS

IC	1		PA4023A	R	160	RS1/16S222J
IC	2		PA4024A			
Q	1	31	2SC2412KLN	R	161	RS1/16S563J
Q	2	203	DTC124EU	R	162	RS1/16S105J
Q	3		3SK263	R	163	RS1/16S223J
				R	203	RS1/16S225J
Q	201		2SK932	R	204	RS1/16S103J
D	1	2	RD39JS			
D	4		1SV251	R	206	RS1/16S220J
D	5	7	KV1410	R	207	RS1/16S101J
D	6	201	MA157	R	208	RS1/16S102J
				R	209	RS1/16S471J
D	231		SVC253	R	214	RS1/16S822J
L	2	4	CTC1108			
L	3		LCTB2R2K2125	R	231	RS1/16S272J
L	5		CTC1107	R	232	RS1/16S473J
L	51		LAU150K	R	237	RS1/16S103J
		Inductor		R	238	RS1/16S104J
		Coil		R	239	RS1/16S104J
		Ferri-Inductor				
			LAU4R7K			
L	201	Ferri-Inductor	LAU330K			
L	202	Ferri-Inductor	CTF1287	R	240	RS1/16S332J
L	203	Inductor	LAU121K	R	241	RS1/16S202J
L	208	Inductor	LAU3R3J	R	243	RS1/16S183J
L	231	Inductor		R	244	RS1/16S472J

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

====Circuit Symbol & No. Part Name=====	Part No.
CAPACITORS	
C 1	CCSQCH060D50
C 2	CCSRCH020C50
C 4	CCSRCH820J50
C 6	CCSRCH820J50
C 8 18 25 31 52 59 62 105 107 213	CKSRYB103K25
C 9 34 56 152 160 241	CKSQYB104K16
C 10	CCSRCH0R5C50
C 11	CEA010M50LL
C 12 13 17 19 20	CKSRYB222K50
C 14	CCSRCH220J50
C 15	CCSRCH060D50
C 16	CCSRCH080D50
C 21	CEA100M16LL
C 22	CCSRTH090D50
C 23	CCSRTH120J50
C 24	CCSRCH471J50
C 26	CCSRCH101J50
C 32	CKSQYB472K50
C 33	CCSRCH050C50
C 36	CCSRRH201J50
C 51	CKSRYB223K25
C 54	CCSRCH470J50
C 55	CKSQYB223K25
C 57	CKSRYB472K50
C 58 234	CEA330M10LL
C 60	CKSRYB102K50
C 61	CKSRYB102K50
C 63	CEAR22M50LL
C 101	CEA100M10NPLL
C 102	CKSRYB182K50
C 103	CKSRYB682K25
C 104	CEA2R2M50LL
C 106	CCSRCH151J50
C 151	CKSRYB472K50
C 153 157	CEA3R3M50LL
C 154	CKSQYB104K16
C 158	CKSYB474K16
C 159	CEA220M6R3LL
C 161 209	CKSQYB104K16
C 162	CEA3R3M50LL
C 163	CKSRYB102K50
C 170 202	CCSRCH100D50
C 201 250	CCSRCH471J50
C 203 235	CKSRYB332K50
C 204 205 236 244	CKSQYB473K16
C 206 233	CKSQYB104K16
C 207	CCSRCH560J50
C 211	CCSRCH101J50
C 212	CEA470M6R3LL
C 216	CCSRCH101J50
C 217	CEA1R5M50LL
C 219	CCSRCH471J50
C 220 230	CKSRYB103K25
C 231	CCSRCH330J50
C 232	CCSRCH150J50
C 237	CCSRCH180J50
C 239	CKSRYB472K50
C 240 242	CEAR47M50LL
C 243	CEAR33M50LL
C 245	CKSRYB183K25
C 246	CKSQYB473K16

====Circuit Symbol & No. Part Name=====	Part No.
Unit Number : CWX1922(DEX-P77R,P88)	
Unit Name : High Output Unit	
MISCELLANEOUS	
IC 4151 4251 4351	NJM4558MD
Q 4151	IMH3A
Q 4251 4351	IMH3A
D 4151 4251 4351	MA151WA
	CWM4538
DC-DC Converter Unit	
RESISTORS	
R 4051	RD1/2PS271JL
R 4151 4351 4352	RS1/10S473J
R 4152	RS1/16S473J
R 4153 4154 4156 4253 4255 4353 4354 4355 4356	RS1/16S103J
R 4155 4254 4256	RS1/10S103J
R 4157 4257 4258 4357 4358	RS1/10S821J
R 4158	RS1/16S821J
R 4159 4160 4259 4260 4359 4360	RS1/10S223J
R 4251 4252	RS1/16S473J
CAPACITORS	
C 4053	CSZSC100M16
C 4151 4152 4351 4352	CEA2R2M50LL
C 4153 4254	CEA100M16LL
C 4154 4253 4353 4354	CEA100M16LS2
C 4155 4156	CKSYB105K16
C 4157 4158	CKSQYB823K25
C 4251 4252	CEA2R2M50LS2
C 4255 4256 4355 4356	CCSQCH221J50
C 4257 4357 4358	CCSQCH820J50
C 4258	CCSQCH820J50
Unit Number : CWM4538(DEX-P77R,P88)	
Unit Name : DC-DC Converter Unit	
MISCELLANEOUS	
IC 4001	TL1451ANS
Q 4001	2SA1797
Q 4002	2SC2812
Q 4003	2SA1179
Q 4004	2SA1576
Q 4005	DTC124EU
D 4001	SC802-06
L 4001 4002 4003	CTH1164
Choke Coil 220H	
RESISTORS	
R 4001	RS1/10S122J
R 4002	RS1/10S473J
R 4003	RS1/4S681J
R 4004	RS1/10S101J
R 4005	RN1/10SE333D
R 4006	RN1/10SE123D
R 4007	RS1/10S104J
R 4008	RN1/10SE622D
R 4009 4010	RS1/10S223J
R 4011	RS1/10S101J
R 4012 4013	RN1/10SE103D
R 4016	RS1/10S754J
R 4017	RN1/10SE912D
R 4018	RN1/10SE153D
R 4019	RN1/10SE303D
CAPACITORS	
C 4001 4003 4006 4008 33μF/25V	CCH1249
C 4002 4005 4009 4010 4014	CKSQYB102K50
C 4004	CCSQCH101J50
C 4011	CKSQYF105Z16
C 4012	CCSQCH221J50
C 4013	CKSQYB104K25

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
Unit Number :		Q 402	2SA1037K
Unit Name : Key Board P.C.Board(DEH-P725R/EW)		Q 403	DTC124EK
		Q 433 434	2SD1757K
MISCELLANEOUS		Q 501 653 665 667	2SC2412K
		Q 502	DTC124EK
IC 1901	PD6166A	Q 551	IMH1A
IC 1902	RS-30	Q 602 761	DTC124EK
Q 1901	2SC2712	Q 603	DTA114EK
D 1901 1902	MA153	Q 651 662 845 981	IMD2A
D 1903	CL170FGCD	Q 661 670	2SC3295
D 1904 1905 1906 1907	CL170FGCD	Q 664 911	2SD1760F5
D 1908 1909 1910 1911	CL170FGCD	Q 666	2SB1238
D 1912 1913 1914 1915	CL170FGCD	Q 668	2SD1864
D 1916 1917 1918 1919	CL170FGCD	Q 669 941	2SA1037K
D 1920 1921 1922 1923	CL170FGCD	Q 701	DTC143TK
D 1925 1926 1927 1928	CL170FGCD	Q 831 833	IMH3A
D 1928 1929 1930 1931	CL170FGCD	Q 951	IMX1
D 1932 1933 1934 1935	CL170FGCD	Q 983	2SD2396
L 1901	LCTA4R7K4532	Q 991	2SC2412K
X 1901	CSS1084	D 431	DAN212K
S 1901	CSG1043	D 501 661 941 971	DAN202K
S 1902 1903 1904 1908	CSG1043	D 651 652 901 902 911 921 922	ERA15-02VH
S 1905 1906 1907 1909	CSG1041	D 654	BR4361F
S 1910 1911 1913 1914	CSG1041	D 662 666 667 668	DA204K
S 1912 1916 1920 1921	CSG1043	D 663 665	MA3062M
S 1915 1917 1918 1919	CSG1041	D 664	MA3039L
S 1922 1923 1924	CSG1043	D 701	MA3047M
	CEL1424	D 702	DAN212K
LCD1901	CAW1337	D 836 837	DAP202K
		D 912	HZS6LB1
RESISTORS		D 951	MA3082L
R 1901 1902	RS1/2S222J	D 952	MA3075H
R 1903	RS1/10S121J	D 961	DAN212K
R 1904	RS1/8S151J	D 982	HZS9LB1
R 1905	RS1/10S103J	L 501 503 601 602	LAU2R2K
R 1906	RS1/10S102J	L 502	Ferri-Inductor
R 1907 1908	RS1/10S472J	L 661	Ferri-Inductor
R 1909	RS1/10S2R2J	L 651 662 941	Transformer
R 1910	RS1/10S272J	L 701	Ferri-Inductor
R 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920	RS1/10S470J	L 703	Ferri-Inductor
R 1921 1922 1923 1924 1925 1926 1928 1929 1930	RS1/4S391J	TC 601	Inductor
R 1927 1931	RS1/2S471J	TH 601	Trimmer
CAPACITORS		X 501	Thermistor
C 1901 1902	CSZS100M6R3	X 601	Crystal 7.200MHz
C 1903 1904 1905 1906	CKSQYB103K25	X 701	Oscillator 6.291456MHz
Unit Number : CWX1916(DEH-P725R/EW,P725R-W/EW)		S 961	Crystal Resonator 4.332MHz
Unit Name : Tuner Amp Unit		IL 661	Switch(Reset)
MISCELLANEOUS		VR 701	Lamp 40mA 14V
		EF 901	Semi-fixed 2.2kΩ(B)
IC 401	TA2050S	BZ 601	FM/AM TunerUnit
IC 402	HA12187FP		EMI Filter
IC 451	PM0008AF		Buzzer
IC 501	PM2004A		CPV1011
IC 551	PAL003A	RESISTORS	
IC 601	PD4636A	R 401 402 455 456	RS1/16S101J
IC 701	PD6164A	R 403	RS1/16S620J
IC 703	PMW001A	R 404 504 704	RS1/16S222J
IC 704	SC14SU69F	R 405 406 414 415 419 420 457 493 494 525	RS1/16S102J
IC 761 762 763	NJM4558MD	R 407 408	RS1/16S473J
IC 764	TC4066BF	R 409	RS1/16S223J
IC 765	NJM4558MD	R 410 411 461 521 522 523 615 798 799	RS1/16S472J
IC 921	TPD1018F	R 412 417	RS1/16S181J
IC 961	S-80734ANDYI	R 413 416 619 655 677 755 756 831 832	RS1/16S223J
IC 971	PA2024A	R 421 422	RS1/16S332J
		R 423 511	RS1/16S103J
		R 433 434	RS1/16S223J
		R 435 436	RS1/16S224J
		R 437	RS1/16S824J
		R 439 440 451 452	RS1/16S272J

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

====Circuit Symbol & No. Part Name====	Part No.	====Circuit Symbol & No. Part Name====	Part No.
R 441 442	RS1/16S0R0J	R 770	RS1/16S331J
R 443 444	RS1/16S222J	R 771	RS1/16S561J
R 445 446 518	RS1/16S0R0J	R 773	RS1/16S471J
R 453 454	RS1/16S151J	R 775 781	RS1/16S1213F
R 458 551 553 661 672 686 883 912	RS1/16S103J	R 776 780	RS1/16S8252F
R 462	RA3C472J	R 777 782	RS1/16S1003F
R 495 496 750	RS1/16S333J	R 778 783	RS1/16S2002F
R 501 509 733 885 886	RS1/16S0R0J	R 779 784	RS1/16S4322F
R 502 507 774 942 943 973 974 984	RS1/16S472J	R 785	RS1/16S362J
R 503 505 601 602 604 663 678 714 715	RS1/16S222J	R 786	RS1/16S2742F
R 506	RS1/16S681J	R 787	RS1/16S2002F
R 508	RS1/16S682J	R 788 789	RS1/16S2212F
R 510	RS1/16S561J	R 790	RS1/16S333J
R 512	RS1/16S222J	R 791	RS1/16S333J
R 513 772	RS1/16S152J	R 792 793	RS1/16S473J
R 514	RS1/16S392J	R 794 795	RS1/16S473J
R 515	RS1/16S392J	R 833 834 839 840	RS1/16S821J
R 516	RS1/16S102J	R 835 836	RS1/16S473J
R 517 638 731 944	RS1/16S102J	R 881	RS1/10S182J
R 519	RS1/16S472J	R 911	RS1/10S101J
R 520	RS1/16S562J	R 921 991 993	RS1/10S103J
R 524 609 616 625 632 649 721	RS1/16S473J	R 941	RS1/10S183J
R 526	RS1/16S562J	R 951 953	RS1/10S473J
R 527 629 630 633 637 639 652 746 747 748	RS1/16S102J	R 952 954	RS1/10S223J
R 528	RS1/16S473J	R 962	RS1/16S124J
R 530	RS1/16S682J	R 981	RD1/4PU221J
R 531	RS1/16S102J	R 982	RS1/10S221J
R 534	RS1/16S472J	R 983	RS1/16S122J
R 535	RS1/16S272J	R 992	RS1/10S472J
R 536	RS1/16S103J		
R 537	RS1/16S332J	CAPACITORS	
R 538	RS1/16S0R0J	C 401 402 462 489 492 559 607 710 713	CKSQYB104K16
R 552	RS1/16S221J	C 403 415 416 711	CKSQYB102K50
R 554	RS1/16S101J	C 404 407 485 486 560 662 664 709	CEA100M16LL
R 605 606 607 608	RS1/16S681J	C 405 406 408 409 413 414 437 438 439 440	CEA010M50LL
R 610 611 612 613 614 618 620 621 622 623	RS1/16S473J	C 441 442 523 528 663	CKSQYB223K25
R 626	RN1/10SE223D	C 443	CKSQYB103K25
R 627	RS1/16S393J	C 451 452	CKSQYB822K50
R 628 631 635 653 690 706 732 882	RS1/16S473J	C 453 454 556 561 714	CEA010M50LL
R 636 708 713 716 725	RS1/16S681J	C 457 458	CKSQYB152K50
R 651	RS1/16S103J	C 459 460 467 468	CEA100M10NPLL
R 656	RS1/16S272J	C 461 913 972 974	CEA470M10LL
R 662 685	RS1/16S224J	C 463	CEA100M16LL
R 667	RS1P100JL	C 464 961	CEA2R2M50LL
R 668	RD1/4PU471J	C 465 466	CKSQYB183K25
R 669 682	RS1/10S222J	C 469 470	CKSYB334K16
R 670	RS1P681JL	C 471 472 510 512 514 520 525 526 652 661	CKSQYB103K25
R 673	RS1/16S204J	C 473 474	CKSYB105K16
R 674 971	RS1/16S104J	C 475 476	CKSQYB823K25
R 675	RS1/10S241J	C 481 482	CEA4R7M35LL
R 676	RS1/10S512J	C 487 488	CKSQYB333K25
R 679	RS1/8S222J	C 490	CKSQYB562K50
R 680 681	RS1/8S472J	C 491 921	CKSQYB473K16
R 683 684	RS1/10S472J	C 493 494	CEA100M16LL
R 687	RS1/16S472J	C 501 502	CCSQCH150J50
R 707	RS1/16S105J	C 503	CCSQCH101J50
R 710 712	RA3C681J	C 504 509 532	CEA220M6R3LL
R 711	RS1/16S681J	C 506 530	CKSQYB103K25
R 749	RS1/16S0R0J	C 507	CEA220M16LL
R 751	RD1/4PU151J	C 508	CKSQYB103K25
R 752 753 754 961 972	RS1/16S102J	C 511 513 4.7μF/16V	CCH1165
R 761 769	RS1/16S3322F	C 515 555	CEA330M10LL
R 762 763 764 767	RS1/16S3322F	C 516 517 519	CKSQYB103K25
R 765 766	RS1/16S6812F	C 518	CKSQYB103K25
R 768	RS1/16S1652F	C 521	CKLSR473K16
		C 522	CKSQYB223K25

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
C 524	CKSQYB103K25	Q 502	DTC124EK
C 527	CKSQYB223K25	Q 602	DTC124EK
C 529	CEAR47M50LL	Q 603	DTA114EK
C 531 725	CCSQCH101J50	Q 651 662 845 981	IMD2A
C 534	CKSQYB103K25	Q 661 670	2SC3295
C 535 536	CKSQYB103K25	Q 664 911	2SD1760F5
C 538	CKSQYB103K25	Q 666	2SB1238
C 540	CKSQYB152K50	Q 668	2SD1864
C 541	CKSQYB103K25	Q 669 941	2SA1037K
C 542	CCSQCH101J50	Q 701	DTC143TK
C 544	CKSQYB332K50	Q 951	IMX1
C 545	CKSQYB103K25	Q 983	2SD2396
C 546 547	CKSQYB472K50	Q 991	2SC2412K
C 548 549 726	CCSQCH101J50	D 431	DAN212K
C 551 552 553 554	CKSYB224K16	D 501 661 941 971	DAN202K
C 557 911	CCH1149	D 651 652 901 902 911 921 922	ERA15-02VH
C 558	CCH1150	D 654	BR4361F
C 601 605	CCSQCH330J50	D 662 666 667 668	DA204K
C 602	CCSQCH120J50	D 663 665	MA3062M
C 603	CEA4R7M35LL	D 664	MA3039L
C 604 606 665 666	CCSQCH101J50	D 701	MA3047M
C 608	CKSQYB103K25	D 702	DAN212K
C 609 915	CKSQYB103K25	D 912	HZS6LB1
C 613 615	CCSQCH101J50	D 951	MA3082L
C 614	CCSQCH101J50	D 952	MA3075H
C 701 707 912	CKSQYB103K25	D 961	DAN212K
C 704 705	CCSQCH270J50	D 982	HZS9LB1
C 712	CKSQYB472K50	L 501 503 601 602	LAU2R2K
C 715	CKSYB104K16	L 502	CTF-157
C 716	CKSQYB222K50	L 651 662 941	LAU2R2K
C 717 971 983	CKSQYB104K16	L 661	CTT1038
C 718	CEA100M16LL	L 701	LAU101K
C 721	CEA4R7M16NPLL	L 703	LCTB2R2K3216
C 724	CKSQYB103K25	TC 601	CCL1017
C 727 728	CCSQCH101J50	TH 601	CCX1031
C 761 762	CKSQYB104K16	X 501	Crystal Resonator 7.200MHz
C 763	CKSQYB472K50	X 601	Oscillator 6.291456MHz
C 764	CKSYB474K16	X 701	Crystal Resonator 4.332MHz
C 765 766	CCSQCH330J50	S 951	Switch(Reset)
C 831 832	CCSCH221J50	IL 661	Lamp 40mA 14V
C 833 834	CKSQYB221K50	VR 701	Semi-fixed 2.2kΩ(B)
C 858	CEA220M16LL		FM/AM Tuner Unit
C 914	CCL1037		High Output Unit
C 973	CEA101M10LL	EF 901	EMI Filter
C 975	CCH1181	BZ 601	Buzzer
C 982	CKSYB105K16	RESISTORS	
C 984	CEA101M10LS	R 401 402 455 456	RS1/16S101J
C 991	CEA4R7M16LS2	R 403	RS1/16S620J
Unit Number : CWX1947(DEX-P77R/EW)		R 404 504 704	RS1/16S222J
Unit Name : Tuner Amp Unit		R 405 406 414 415 419 420 457 493 494 525	RS1/16S102J
		R 407 408	RS1/16S473J
MISCELLANEOUS		R 409 625	RS1/16S223J
IC 401	TA2050S	R 410 411 461 521 522 523 615	RS1/16S472J
IC 402	CA0008AM	R 412 417	RS1/16S181J
IC 451	PM0008AF	R 413 416 619 655 677 755 756	RS1/16S223J
IC 501	PM2004A	R 421 422	RS1/16S332J
IC 601	PD4636A		
IC 701	PD6164A	R 423 511	RS1/16S103J
IC 703	PMW001A	R 433 434	RS1/16S223J
IC 704	SC14SU69F	R 435 436	RS1/16S224J
IC 921	TPD1018F	R 437	RS1/16S824J
IC 961	S-80734ANDYI	R 439 440 451 452	RS1/16S272J
IC 971	PA2024A	R 441 442	RS1/16S0R0J
Q 402	2SA1037K	R 443 444	RS1/16S222J
Q 403	DTC124EK	R 445 446 518 796 797	RS1/16S0R0J
Q 433 434	2SD1757K	R 453 454	RS1/16S151J
Q 501 653 665 667	2SC2412K	R 458 661 672 686 912	RS1/16S103J

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
R 462	RA3C472J	CAPACITORS	
R 495 496 750	RS1/16S333J	C 401 402 462 489 492 559 607 710 713	CKSQYB104K16
R 501 509 733	RS1/16S0R0J	C 403 415 416 711	CKSQYB102K50
R 502 507 942 943 973 974 984	RS1/16S472J	C 404 407 662 664 709 718	CEA100M16LL
R 503 505 601 602 604 663 678 714 715	RS1/16S222J	C 405 406 408 409 413 414 437 438 439 440	CEA010M50LL
R 506	RS1/16S681J	C 441 442 523 528 663	CKSQYB223K25
R 508	RS1/16S682J	C 443	CKSQYB103K25
R 510	RS1/16S561J	C 451 452	CKSQYB822K50
R 512	RS1/16S222J	C 453 454	CEA010M50LL
R 513	RS1/16S152J	C 457 458	CKSQYB152K50
R 514	RS1/16S392J	C 459 460 467 468	CEA100M10NPLL
R 515	RS1/16S392J	C 461 913 972 974	CEA470M10LL
R 516	RS1/16S102J	C 463	CEA100M16LL
R 517 638 731 944	RS1/16S102J	C 464 961	CEA2R2M50LL
R 519	RS1/16S472J	C 465 466	CKSQYB183K25
R 520	RS1/16S562J	C 469 470	CKSYB334K16
R 524 609 616 624 632 649 721	RS1/16S473J	C 471 472 510 512 514 520 525 526 652 661	CKSQYB103K25
R 526	RS1/16S562J	C 473 474	CKSYB105K16
R 527 629 630 633 637 639 652 746 747 748	RS1/16S102J	C 475 476	CKSQYB823K25
R 528	RS1/16S473J	C 487 488	CKSQYB333K25
R 530	RS1/16S682J	C 490	CKSQYB562K50
R 531	RS1/16S102J	C 491 921	CKSQYB473K16
R 534	RS1/16S472J	C 493 494	CEA100M16LL
R 535	RS1/16S272J	C 501 502	CCSQCH150J50
R 536	RS1/16S103J	C 503	CCSQCH101J50
R 537	RS1/16S332J	C 504 509 532	CEA220M6R3LL
R 538	RS1/10S0R0J	C 506 530	CKSQYB103K25
R 605 606 607 608	RS1/16S681J	C 507	CEA220M16LL
R 610 611 612 613 614 618 620 621 622 623	RS1/16S473J	C 508	CKSQYB103K25
R 626	RN1/10SE223D	C 511 513	CCH1165
R 627	RS1/16S393J	C 515	CEA330M10LL
R 628 631 635 653 690 706 732 882	RS1/16S473J	C 516 517 519	CKSQYB103K25
R 636 708 713 716 725	RS1/16S681J	C 518	CKSQYB103K25
R 651	RS1/16S103J	C 521	CKLSR473K16
R 656	RS1/16S272J	C 522	CKSQYB223K25
R 662 685	RS1/16S224J	C 524	CKSQYB103K25
R 667	RS1P100JL	C 527	CKSQYB223K25
R 668	RD1/4PU471J	C 529	CEAR47M50LL
R 669 682	RS1/10S222J	C 531 725	CCSQCH101J50
R 670	RS1P681JL	C 534	CKSQYB103K25
R 673	RS1/16S204J	C 535 536	CKSQYB103K25
R 674 971	RS1/16S104J	C 538	CKSQYB103K25
R 675	RS1/10S241J	C 540	CKSQYB152K50
R 676	RS1/10S512J	C 541	CKSQYB103K25
R 679	RS1/8S222J	C 542	CCSQCH101J50
R 680 681	RS1/8S472J	C 544	CKSQYB332K50
R 683 684	RS1/10S472J	C 545	CKSQYB103K25
R 687	RS1/16S472J	C 546 547	CKSQYB472K50
R 707	RS1/16S105J	C 548 549 726	CCSQCH101J50
R 710 712	RA3C681J	C 557 911	CCH1149
R 711	RS1/16S681J	C 558	CCH1150
R 749	RS1/16S0R0J	C 601 605	CCSQCH330J50
R 751	RD1/4PU151J	C 602	CCSQCH120J50
R 752 753 754 961 972	RS1/16S102J	C 603	CEA4R7M35LL
R 881	RS1/10S182J	C 604 606 665 666	CCSQCH101J50
R 911	RS1/10S101J	C 608	CKSQYB103K25
R 921 991 993	RS1/10S103J	C 609 915	CKSQYB103K25
R 941	RS1/10S183J	C 613 615	CCSQCH101J50
R 951 953	RS1/10S473J	C 614	CCSQCH101J50
R 952 954	RS1/10S223J	C 701 707 912	CKSQYB103K25
R 962	RS1/16S124J	C 704 705	CCSQCH270J50
R 981	RD1/4PU221J	C 712	CKSQYB472K50
R 982	RS1/10S221J	C 714	CKSYB105K16
R 983	RS1/16S122J	C 715	CKSYB104K16
R 992	RS1/10S472J	C 716	CKSQYB222K50
		C 717 971 983	CKSQYB104K16

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
C 721	CEA4R7M16NPLL	RESISTORS	
C 724	CKSQYB103K25	R 401 402 455 456	RS1/16S101J
C 727 728	CCSQCH101J50	R 403	RS1/16S620J
C 858	CEA220M16LL	R 404 504	RS1/16S222J
C 914 0.22F/5.5V	CCL1037	R 405 406 414 415 419 420 493 494 525	RS1/16S102J
		R 407 408	RS1/16S473J
C 973	CEA101M10LL		
C 975	CCH1181	R 409	RS1/16S223J
C 982	CKSYB105K16	R 410 411 461 521 522 523	RS1/16S472J
C 984	CEA101M10LS	R 412 417	RS1/16S181J
C 991	CEA4R7M50LL	R 413 416 619 677 831 832	RS1/16S223J
		R 421 422	RS1/16S332J
Unit Number : CWX1919(DEH-P625/UC)			
Unit Name : Tuner Amp Unit			
MISCELLANEOUS		R 423 511	RS1/16S103J
IC 401	TA2050S	R 439 440	RS1/16S162J
IC 402	CA0008AM	R 451 452	RS1/16S272J
IC 451	PM0008AF	R 441 442	RS1/16S0R0J
IC 501	PM2004A	R 445 446 518	RS1/16S0R0J
IC 551	PAL003A		
		R 447 448	RS1/16S0R0J
IC 601	PD4636A	R 453 454	RS1/16S151J
IC 921	TPD1018F	R 462	RA3C472J
IC 961	S-80734ANDYI	R 495 496	RS1/16S333J
IC 971	PA2024A	R 501 509 885 886	RS1/16S0R0J
Q 402	2SA1037K		
		R 502 507 973 974 984	RS1/16S472J
Q 403	DTC124EK	R 503 505 601 602 604 663 678	RS1/16S222J
Q 501 665 667	2SC2412K	R 506	RS1/16S681J
Q 502	DTC124EK	R 508	RS1/16S682J
Q 551	IMH1A	R 510	RS1/16S561J
Q 602	DTC124EK		
		R 512	RS1/16S222J
Q 603	DTA114EK	R 513	RS1/16S152J
Q 661 670	2SC3295	R 514	RS1/16S392J
Q 662 845 981	IMD2A	R 515	RS1/16S392J
Q 664 911	2SD1760F5	R 516	RS1/16S102J
Q 666	2SB1238		
		R 517 638	RS1/16S102J
Q 668	2SD1864	R 520	RS1/16S473J
Q 669	2SA1037K	R 524 609 625 632 649	RS1/16S473J
Q 831 833	IMH3A	R 526	RS1/16S562J
Q 951	IMX1	R 527 629 630 633 637 639	RS1/16S102J
Q 983	2SD2396		
		R 528	RS1/16S473J
Q 991	2SC2412K	R 530	RS1/16S682J
D 501 661 971	DAN202K	R 531	RS1/16S102J
D 662 666 667 668	DA204K	R 534	RS1/16S472J
D 663 665	MA3062M	R 535	RS1/16S272J
D 664	MA3039L		
		R 536	RS1/16S103J
D 836 837	DAP202K	R 537	RS1/16S332J
D 901 902 911 921 922	ERA15-02VH	R 538	RS1/16S0R0J
D 912	HZS6LB1	R 551 553 661 672 686 883 912	RS1/16S103J
D 951	MA3082L	R 552	RS1/16S221J
D 952	MA3075H		
		R 554	RS1/16S101J
D 961	DAN212K	R 605 606 607 608	RS1/16S681J
D 982	HZS9LB1	R 610 611 614 618 620 621 622 623	RS1/16S473J
L 501 503 601 602 Ferri-Inductor	LAU2R2K	R 624	RS1/16S223J
L 502 Ferri-Inductor	CTF-157	R 626	RN1/10SE223D
L 661 Transformer	CTT1038		
		R 627	RS1/16S393J
L 662 Ferri-Inductor	LAU2R2K	R 628 631 635 653 690 882	RS1/16S473J
TC 601 Trimmer	CCL1017	R 636	RS1/16S681J
TH 601 Thermistor	CCX1031	R 662 685	RS1/16S224J
X 501 Crystal 7.200MHz	CSS1379	R 667	RS1P100JL
X 601 Oscillator 6.291456MHz	CSS1303		
		R 668	RD1/4PU471J
S 961 Switch(Reset)	CSG1046	R 669 682	RS1/10S222J
IL 661 Lamp 40mA 14V	CEL1263	R 670	RS1P681JL
VR 701 Semi-fixed 2.2kΩ(B)	CCP1123	R 673	RS1/16S204J
	CWE1417	R 674 971	RS1/16S104J
EF 901 EMI Filter	CCG1006		
		R 675	RS1/10S241J
BZ 601 Buzzer	CPV1011	R 676	RS1/10S512J
		R 679	RS1/8S222J
		R 680 681	RS1/8S472J
		R 683 684	RS1/10S472J

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
R 687	RS1/16S472J	C 602	CCSQCH120J50
R 796 797	RS1/16S0R0J	C 603	CEA4R7M35LL
R 833 834 839 840	RS1/16S821J	C 604 606 665 666	CCSQCH101J50
R 835 836	RS1/16S473J	C 608	CKSQYB103K25
R 881	RS1/10S182J	C 609 915	CKSQYB103K25
R 911	RS1/10S101J	C 613 615	CCSQCH101J50
R 921 991 993	RS1/10S103J	C 614	CCSQCH101J50
R 951 953	RS1/10S473J	C 831 832	CCSCH221J50
R 952 954	RS1/10S223J	C 833 834	CKSQYB221K50
R 961 972	RS1/16S102J	C 858	CEA220M16LL
R 962	RS1/16S124J	C 912	CKSQYB103K25
R 981	RD1/4PU221J	C 914	CCL1037
R 982	RS1/10S221J	C 961	CEA2R2M50LL
R 983	RS1/16S122J	C 971 983	CKSQYB104K16
R 992	RS1/10S472J	C 973	CEA101M10LL
CAPACITORS		C 975	330μF/10V
C 401 402 462 489 492 559 607	CKSQYB104K16	C 982	CCH1181
C 403 415 416	CKSQYB102K50	C 984	CKSYB105K16
C 404 407 485 486 560 662 664	CEA100M16LL	C 991	CEA101M10LS
C 405 406 408 409 413 414 439 440	CEA010M50LL	Unit Number : CWX1914(DEX-P88/UC)	
C 441 442	CKSQYB473K16	Unit Name : Tuner Amp Unit	
C 451 452	CKSQYB822K50	MISCELLANEOUS	
C 453 454 556 561	CEA010M50LL	IC 401	TA2050S
C 457 458	CKSQYB152K50	IC 402	CA0008AM
C 459 460 467 468	CEA100M10NPLL	IC 451	PM0008AF
C 461 913 972 974	CEA470M10LL	IC 501	PM2004A
C 463	CEA100M16LL	IC 601	PD4636A
C 465 466	CKSQYB183K25	IC 921	TPD1018F
C 469 470	CKSYB334K16	IC 931	TPD1018F
C 471 472 510 512 514 520 525 526 661	CKSQYB103K25	IC 961	S-80734ANDYI
C 473 474	CKSYB105K16	IC 971	PA2024A
C 475 476	CKSQYB823K25	Q 402	2SA1037K
C 481 482	CEA4R7M35LL	Q 403	DTC124EK
C 487 488	CKSQYB333K25	Q 501 653 665 667	2SC2412K
C 490	CKSQYB562K50	Q 502	DTC124EK
C 491 921	CKSQYB473K16	Q 602	DTC124EK
C 493 494	CEA100M16LL	Q 603	DTA114EK
C 501 502	CCSQCH150J50	Q 651 662 845 981	IMD2A
C 503	CCSQCH101J50	Q 661 670	2SC3295
C 504 509 532	CEA220M6R3LL	Q 664 911	2SD1760F5
C 506 530	CKSQYB103K25	Q 666	2SB1238
C 507	CEA220M16LL	Q 668	2SD1864
C 508	CKSQYB103K25	Q 669	2SA1037K
C 511 513	CCH1165	Q 951	IMX1
C 515 555	CEA330M10LL	Q 983	2SD2396
C 516 517 519	CKSQYB103K25	Q 991	2SC2412K
C 518	CKSQYB103K25	D 501 661 971	DAN202K
C 521	CKLSR473K16	D 651 652 901 902 911 921 922	ERA15-02VH
C 522	CKSQYB223K25	D 654	BR4361F
C 523 528 663	CKSQYB223K25	D 662 666 667 668	DA204K
C 524	CKSQYB103K25	D 663 665	MA3062M
C 527	CKSQYB223K25	D 664	MA3039L
C 531	CCSQCH101J50	D 912	HZS6LB1
C 534	CKSQYB103K25	D 951	MA3082L
C 535 536	CKSQYB103K25	D 952	MA3075H
C 538	CKSQYB103K25	D 961	DAN212K
C 541	CKSQYB103K25	D 982	HZS9LB1
C 542	CCSQCH101J50	L 501 503 601 602	LAU2R2K
C 544	CKSQYB332K50	L 502	CTF-157
C 545	CKSQYB103K25	L 651 662	LAU2R2K
C 546 547	CKSQYB472K50	L 661	CTT1038
C 548 549	CCSQCH101J50	TC 601	CCL1017
C 551 552 553 554	CKSYB224K16	TH 601	CCX1031
C 557 911	CCH1149	X 501	CSS1379
C 558	CCH1150	X 601	CSS1303
C 601 605	CCSQCH330J50	S 961	CSG1046
		IL 661	CEL1263
			Lamp 40mA14V

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

====Circuit Symbol & No. Part Name=====	Part No.	====Circuit Symbol & No. Part Name=====	Part No.
	FM/AM Tuner Unit High Output Unit EMI Filter Buzzer		
EF 901	CWE1417	R 674 971	RS1/16S104J
BZ 601	CWX1922	R 675	RS1/10S241J
	CCG1006	R 676	RS1/10S512J
	CPV1011	R 679	RS1/8S222J
		R 680 681	RS1/8S472J
RESISTORS			
R 401 402 455 456	RS1/16S101J	R 683 684	RS1/10S472J
R 403	RS1/16S620J	R 687	RS1/16S472J
R 404 504	RS1/16S222J	R 796 797	RS1/16S0R0J
R 405 406 414 415 419 420 457 493 494 525	RS1/16S102J	R 881	RS1/10S182J
R 407 408	RS1/16S473J	R 911	RS1/10S101J
R 409	RS1/16S223J		
R 410 411 461 521 522 523	RS1/16S472J	R 921 991 993	RS1/10S103J
R 412 417	RS1/16S181J	R 951 953	RS1/10S473J
R 413 416 619 655 677	RS1/16S223J	R 952 954	RS1/10S223J
R 421 422	RS1/16S332J	R 961 972	RS1/16S102J
R 423 511		R 962	RS1/16S124J
R 439 440	RS1/16S103J		
R 441 442	RS1/16S162J	R 981	RD1/4PU221J
R 445 446 518	RS1/16S0R0J	R 982	RS1/10S221J
R 447 448	RS1/16S0R0J	R 983	RS1/16S122J
		R 992	RS1/10S472J
		CAPACITORS	
R 451 452	RS1/16S272J	C 401 402 462 489 492 559 607	CKSQYB104K16
R 453 454	RS1/16S151J	C 403 415 416	CKSQYB102K50
R 458 661 672 686 912	RS1/16S103J	C 404 407 662 664	CEA100M16LL
R 462	RA3C472J	C 405 406 408 409 413 414 439 440	CEA010M50LL
R 495 496	RS1/16S333J	C 441 442	CKSQYB473K16
R 501 509	RS1/16S0R0J		
R 502 507 973 974 984	RS1/16S472J	C 451 452	CKSQYB822K50
R 503 505 601 602 604 663 678	RS1/16S222J	C 453 454	CEA010M50LL
R 506	RS1/16S681J	C 457 458	CKSQYB152K50
R 508	RS1/16S682J	C 459 460 467 468	CEA100M10NPLL
		C 461 913 972 974	CEA470M10LL
R 510	RS1/16S561J		
R 512	RS1/16S222J	C 463	CEA100M16LL
R 513	RS1/16S152J	C 464 961	CEA2R2M50LL
R 514	RS1/16S392J	C 465 466	CKSQYB183K25
R 515	RS1/16S392J	C 469 470	CKSYB334K16
		C 471 472 510 512 514 520 525 526 652 661	CKSQYB103K25
R 516	RS1/16S102J		
R 517 638	RS1/16S102J	C 473 474	CKSYB105K16
R 520	RS1/16S473J	C 475 476	CKSQYB823K25
R 524 609 625 632 649	RS1/16S473J	C 487 488	CKSQYB333K25
R 526	RS1/16S562J	C 490	CKSQYB562K50
		C 491 921	CKSQYB473K16
R 527 629 630 633 637 639 652	RS1/16S102J		
R 528	RS1/16S473J	C 493 494	CEA100M16LL
R 530	RS1/16S682J	C 501 502	CCSQCH150J50
R 531	RS1/16S102J	C 503	CCSQCH101J50
R 534	RS1/16S472J	C 504 509 532	CEA220M6R3LL
		C 506 530	CKSQYB103K25
R 535	RS1/16S272J		
R 536	RS1/16S103J	C 507	CEA220M16LL
R 537	RS1/16S332J	C 508	CKSQYB103K25
R 538	RS1/16S0R0J	C 511 513	CCH1165
R 605 606 607 608	RS1/16S681J	C 515	CEA330M10LL
		C 516 517 519	CKSQYB103K25
R 610 611 614 618 620 621 622 623	RS1/16S473J		
R 624	RS1/16S473J	C 518	CKSQYB103K25
R 626	RN1/10SE223D	C 521	CKLSR473K16
R 627	RS1/16S393J	C 522	CKSQYB223K25
R 628 631 635 653 690 882	RS1/16S473J	C 523 528 663	CKSQYB223K25
		C 524	CKSQYB103K25
R 636	RS1/16S681J		
R 651	RS1/16S103J	C 527	CKSQYB223K25
R 654 657	RS1/16S103J	C 531	CCSQCH101J50
R 656	RS1/16S272J	C 534	CKSQYB103K25
R 662 685	RS1/16S224J	C 535 536	CKSQYB103K25
		C 538	CKSQYB103K25
R 667	RS1P100JL		
R 668	RD1/4PU471J	C 541	CKSQYB103K25
R 669 682	RS1/10S222J	C 542	CCSQCH101J50
R 670	RS1P681JL	C 544	CKSQYB332K50
R 673	RS1/16S204J	C 545	CKSQYB103K25
		C 546 547	CKSQYB472K50

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

====Circuit Symbol & No. Part Name=====	Part No.
C 548 549	CCSQCH101J50
C 557 911	CCH1149
C 558	CCH1150
C 601 605	CCSQCH330J50
C 602	CCSQCH120J50
C 603	CEA4R7M35LL
C 604 606 665 666	CCSQCH101J50
C 608	CKSQYB103K25
C 609 915	CKSQYB103K25
C 613 615	CCSQCH101J50
C 614	CCSQCH101J50
C 858	CEA220M16LL
C 912	CKSQYB103K25
C 914	CCL1037
C 931	CKSQYB473K16
C 971 983	CKSQYB104K16
C 973	CEA101M10LL
C 975	CCH1181
C 982	CKSYB105K16
C 984	CEA101M10LS
C 991	CEA4R7M16LS2
Unit Number : CWX1889	
Unit Name : Control Unit	
MISCELLANEOUS	
IC 101	UPC2572GS
IC 201	UPD63702GF
IC 301	XLA6997FP
IC 302	XRA6285FP
IC 601	TA2063F
IC 701	PQ05TZ51
Q 101	2SD1664
Q 102	UMD2N
Q 601 602	2SD1781K
Q 603	2SB709A
D 601	MA151WA
D 701 702	1SR154-400
D 801 802	CL200IRX
X 201	CSS1363
S 801 802	CSN1028
LED	
Ceramic Resonator 16.93MHz	
Switch(Home, Clamp)	
RESISTORS	
R 101	RS1/8S100J
R 102	RS1/8S120J
R 103	RS1/16S102J
R 104	RS1/16S822J
R 105	RS1/16S682J
R 106	RS1/16S183J
R 107	RS1/16S822J
R 108	RS1/16S333J
R 109	RS1/16S683J
R 110	RS1/16S134J
R 111	RS1/16S273J
R 112	RS1/16S222J
R 113 114 607	RS1/16S103J
R 115	RS1/16S102J
R 116 117	RS1/16S163J
R 201	RS1/16S104J
R 202	RS1/16S473J
R 304 501	RS1/16S0R0J
R 505	RS1/16S102J
R 507	RA4C102J
R 508	RA4C681J
R 510	RS1/10S0R0J
R 601 602	RS1/16S102J
R 603 604	RS1/16S223J
R 605 606	RS1/16S162J

====Circuit Symbol & No. Part Name=====	Part No.
R 801 802	RS1/8S751J
CAPACITORS	
C 101 601 703	CEV101M6R3
C 102	CKSQYB104K16
C 103	CEV470M6R3
C 104	CKSYB334K16
C 105	CCSRCH330J50
C 106 304	CKSRYB103K25
C 107 603 604	CEV4R7M35
C 108	CKSQYB273K50
C 109	CCSRCH101J50
C 110 202	CKSQYB104K16
C 111	CKSRYB332K50
C 112	CKSQYB473K16
C 113	CKSRYB103K25
C 114	CKSRYB391K50
C 115	CCSRCH121J50
C 116	CKSRYB682K25
C 117	CKSRYB333K16
C 118 201	CKSYB334K16
C 119	CKSYB334K16
C 120 121 702	CKSYB334K16
C 122 124	CKSQYB104K16
C 123	CKSRYB472K50
C 125	CCSRCH060D50
C 126	CKSRYB153K25
C 127	CCSRCH102J25
C 203	CKSQYB104K16
C 303	CEV470M16
C 305 306	CKSRYB103K25
C 502	CKSRYB471K50
C 602	CKSQYB104K16
C 605 606	CKSRYB152K50
C 607	CEV220M6R3
C 701	CCH1233
C 901 903	CCSRCH471J50
C 902	CCSRCH271J50
C 904	CCSRCH101J50
Unit Number :	
Unit Name : Detector P.C.Board	
Q 1 2	Photo Transistor
Miscellaneous Parts List	
M 1	PU Unit
M 2	Motor Unit(Spindle)
M 3	CRG Motor Unit(Carriage)
S 1930	Load Motor Unit>Loading)
	Switch(Close)
	CGY1070
	CXA9100
	CXA8986
	CXA8702
	CSN1027

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

- The DEH-P725/UC, DEH-P725-W/UC, and DEH-P723/ES Tuner Amp Unit Parts Lists enumerate the parts which differ from those enumerated in the DEH-P725R/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly. The DEH-P725R/EW Tuner Amp Unit Parts List is given on page 31.

Tuner Amp Unit

Tuner Amp Unit	DEH-P725R/EW DEH-P725R-W/EW CWX1916	DEH-P725/UC DEH-P725-W/UC CWX1915	DEH-P723/ES CWX1917
Circuit Symbol & No.	Part No.	Part No.	Part No.
IC402	HA12187FP	CA0008AM	CA0008AM
IC601	PD4636A	PD4635A	PD4636A
IC701	PD6164A	PD6165A	.....
IC702	.....	PD4633A	.....
IC703	PMW001A	.....	.....
IC704	SC14SU69F	.....	.....
Q 433,434	2SD1757K	.....	.....
Q 651	IMD2A	.....	IMD2A
Q 653	2SC2412K	.....	2SC2412K
Q 701	DTC143TK	.....	.....
Q 835	.....	IMH3A	.....
Q 941	2SA1037K	.....	2SA1037K
D 431,702	DAN212K	.....	.....
D 651,652	ERA15-02VH	.....	ERA15-02VH
D 654	BR4361F	.....	BR4361F
D 701	MA3047M	.....	.....
D 838	.....	DAP202K	.....
D 941	DAN202K	.....	DAN202K
L 651	LAU2R2K	.....	LAU2R2K
L 701	LAU101K	LAU101K	.....
L 702	.....	LAU2R2K	.....
L 703	LCTB2R2K3216	.....	.....
L 941	LAU2R2K	.....	LAU2R2K
X 701	CSS1056	CSS1338	.....
VR701	CCP1123	.....	.....
R 433,434	RS1/16S223J	.....	.....
R 435,436	RS1/16S224J	.....	.....
R 437	RS1/16S824J	.....	.....
R 439,440	RS1/16S272J	RS1/16S162J	RS1/16S162J
R 443,444	RS1/16S222J	.....	.....
R 447,448	.....	RS1/16S0R0J	RS1/16S0R0J
R 457,652	RS1/16S102J	.....	RS1/16S102J
R 458	RS1/16S103J	.....	RS1/16S103J
R 501	RS1/16S0R0J	RS1/16S0R0J	.....
R 519	RS1/16S472J	.....	.....
R 520	RS1/16S562J	RS1/16S473J	RS1/16S473J
R 612,613	RS1/16S473J	RS1/16S473J	.....
R 615	RS1/16S472J	RS1/16S472J	.....
R 616,721	RS1/16S473J	RS1/16S473J	.....
R 624	.....	.....	RS1/16S473J
R 625	RS1/16S473J	RS1/16S473J	.....
R 651	RS1/16S103J	.....	RS1/16S103J
R 653	RS1/16S473J	.....	RS1/16S473J
R 654	.....	.....	.....
R 655	RS1/16S223J	.....	RS1/16S223J
R 656	RS1/16S272J	.....	RS1/16S272J
R 657	.....	.....	.....
R 704	RS1/16S222J	.....	.....
R 706	RS1/16S473J	.....	.....
R 707	RS1/16S105J	RS1/16S105J	.....

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

Tuner Amp Unit	DEH-P725R/EW DEH-P725R-W/EW CWX1916	DEH-P725/UC DEH-P725-W/UC CWX1915	DEH-P723/ES CWX1917
Circuit Symbol & No.	Part No.	Part No.	Part No.
R 708	RS1/16S681J	RS1/16S681J	.....
R 710	RA3C681J	RA3C681J	.....
R 711,725	RS1/16S681J	.....	.....
R 712	RA3C681J	.....	.....
R 713,716	RS1/16S681J	RS1/16S681J	.....
R 714	RS1/16S222J	RS1/16S0R0J	.....
R 715	RS1/16S222J	.....	.....
R 717-720	.....	RS1/16S473J	.....
R 726-730	.....	RS1/16S473J	.....
R 731	RS1/16S102J	.....	.....
R 732	RS1/16S473J	.....	.....
R 733	RS1/16S0R0J	.....	.....
R 735,736	.....	RA4C102J	.....
R 737,738	.....	RA3C102J	.....
R 739,740	.....	RA4C102J	.....
R 741,742	.....	RA3C102J	.....
R 746-748	RS1/16S102J	.....	.....
R 749	RS1/16S0R0J	.....	.....
R 750	RS1/16S333J	.....	.....
R 751	RD1/4PU151J	.....	.....
R 752-754	RS1/16S102J	.....	.....
R 755,756	RS1/16S223J	.....	.....
R 837,838	.....	RS1/16S473J	.....
R 841,842	.....	RS1/16S821J	.....
R 887,888	.....	RS1/16S0R0J	.....
R 941	RS1/10S183J	.....	RS1/10S183J
R 942,943	RS1/16S472J	.....	RS1/16S472J
R 944	RS1/16S102J	.....	RS1/16S102J
C 437,438	CEA010M50LL	.....	.....
C 441,442	CKSQYB223K25	CKSQYB473K16	CKSQYB473K16
C 443	CKSQYB103K25	.....	.....
C 464	CEA2R2M50LL	.....	CEA2R2M50LL
C 483,484	.....	CEA4R7M35LL	.....
C 505	.....	.....	CKSQYB103K25
C 529	CEA4R7M50LL	.....	.....
C 540	CKSQYB152K50	.....	.....
C 652	CKSQYB103K25	.....	CKSQYB103K25
C 701	CKSQYB103K25	.....	.....
C 704,705	CCSQCH270J50	.....	.....
C 707	CKSQYB103K25	CKSQYB103K25	.....
C 708	.....	CEA100M16LL	.....
C 709,718	CEA100M16LL	.....	.....
C 710,713,717	CKSQYB104K16	.....	.....
C 711	CKSQYB102K50	.....	.....
C 712	CKSQYB472K50	.....	.....
C 714	CEA010M50LL	.....	.....
C 715	CKSYB104K16	.....	.....
C 716	CKSQYB222K50	.....	.....
C 721	CEA4R7M16NPLL	.....	.....
C 724	CKSQYB103K25	.....	.....
C 725,726	CCSQCH101J50	.....	.....
C 727,728	CCSQCH101J50	.....	.....
C 831,832	CCSCH221J50	CKSYB105K16	CCSCH221J50
C 835,836	.....	CKSQYB221K50	.....

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

- The DEH-P725R-W/EW, DEX-P77R/EW, DEH-P725/UC, DEH-P725-W/UC, DEH-P723/ES, DEH-P625/UC and DEX-P88/UC Key Board P.C.Board Parts Lists enumerate the parts which differ from those enumerated in the DEH-P725R/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly. The DEH-P725R/EW Key Board P.C.Board Parts List is given on page 31.

Key Board P.C.Board

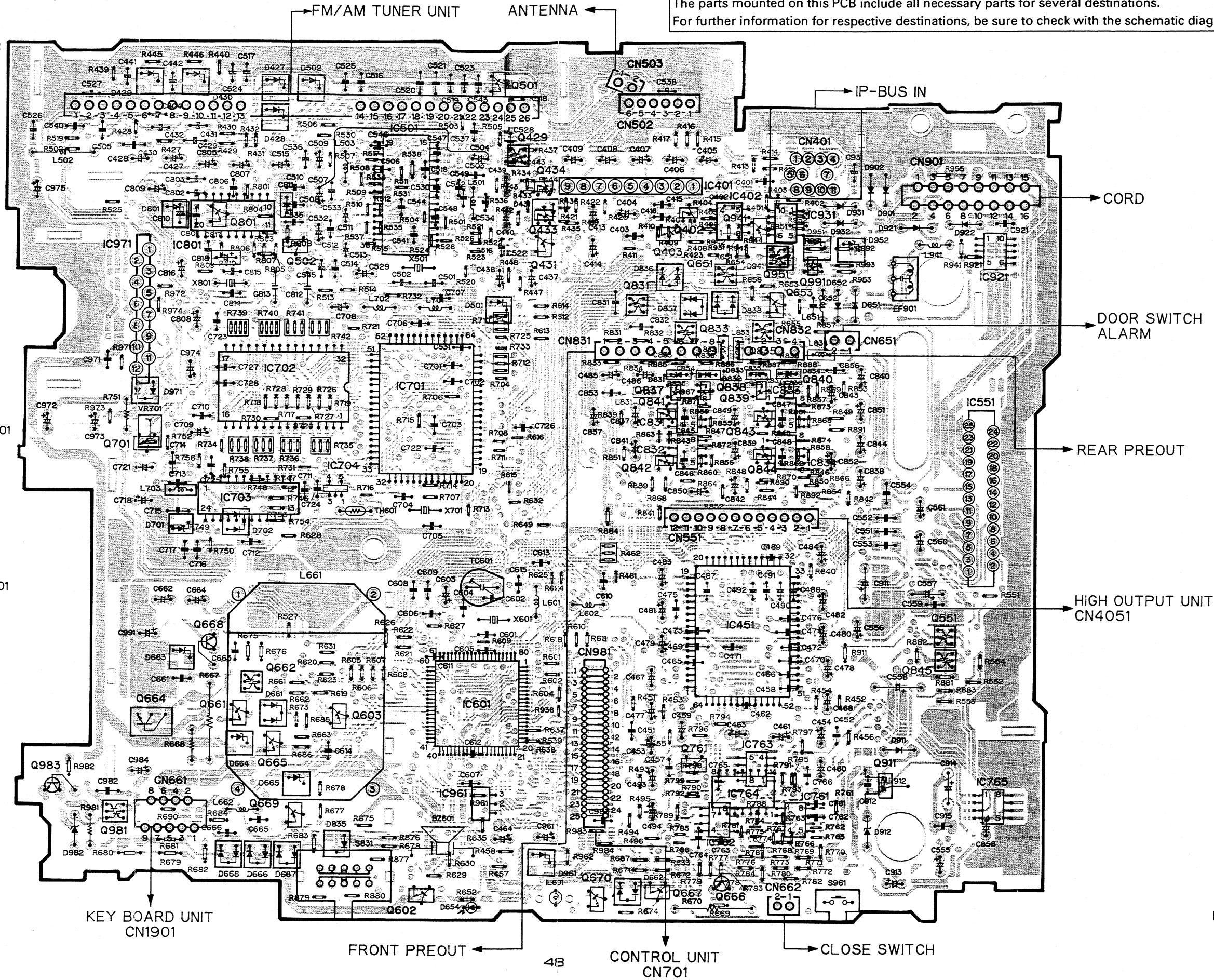
Circuit Symbol & No.	DEH-P725R/EW Part No.	DEH-P725R-W/EW Part No.	DEX-P77R/EW Part No.	DEH-P725/UC Part No.	DEH-P725-W/UC Part No.
IC 1901	PD6166A	PD6166A	PD6166A	PD6166A	PD6166A
D 1903	CL170FGCD	CL170DCD	CL170DCD	CL170FGCD	CL170DCD
D 1904-1923,1925-1935	CL170FGCD	CL170DCD	CL170DCD	CL170FGCD	CL170DCD
LCD1901	CAW1337	CAW1364	CAW1364	CAW1338	CAW1366

Circuit Symbol & No.	DEH-P725R/EW Part No.	DEH-P723/ES Part No.	DEH-P625/UC Part No.	DEX-P88/UC Part No.
IC 1901	PD6166A	PD6166A	PD6166A	PD6175A
D 1904-1923,1925-1935	CL170FGCD	CL170FGCD	CL170FGCD	CL170FGCD
D 1903	CL170FGCD	CL170FGCD	CL170FGCD	CL170FGCD
LCD1901	CAW1337	CAW1338	CAW1338	CAW1365

11. CIRCUIT DIAGRAM AND PATTERN

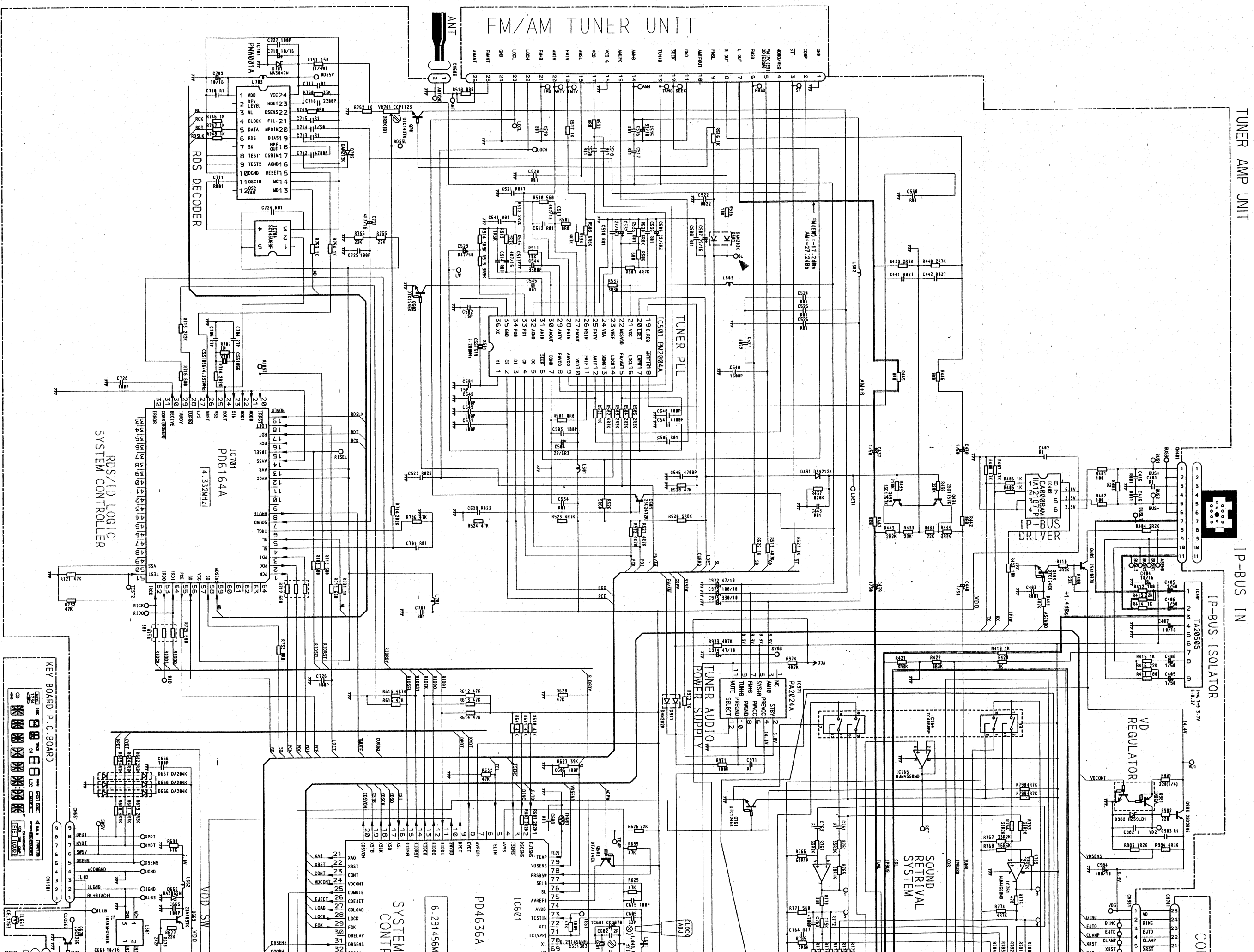
11.1 TUNER ANP UNIT

- Connection Diagram IC, Q ADJ
- Q501
- Q429
- Q434 IC401
- IC801 IC501 Q402 IC402 IC931
- Q502 Q801 Q433 Q403 Q941
- Q431 Q651 Q951 Q991 IC921
- IC971 Q831 Q653
- Q833 Q835
- IC702 Q837 Q838 Q839 Q840
- IC701 Q841 IC831 Q843 IC833
- Q701 Q842 IC832 Q844 IC834
- IC703 IC704 IC551
- TC601
- Q668 IC451 Q551
- Q845
- Q662
- Q664 Q661 Q603 IC601
- Q665 Q761 IC763
- Q983 IC961 IC764 Q911
- Q981 Q669 IC762 IC761 IC765
- Q602 Q670 Q667 Q666



NOTE:
The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.

Fig. 9



TUNER AMP UNIT

IP-BUS IN

IP-BUS ISOLATOR

VD REGULATOR

SOUND RETRIEVAL SYSTEM

TUNER AUDIO 10

POWER SUPPLY

FM/AM TUNER UNIT

RDS/ID LOGIC SYSTEM CONTROLLER

KEY BOARD P.C. BOARD

PD6363A

6.291456M

PD6164A

RDS DECODER

The Δmark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

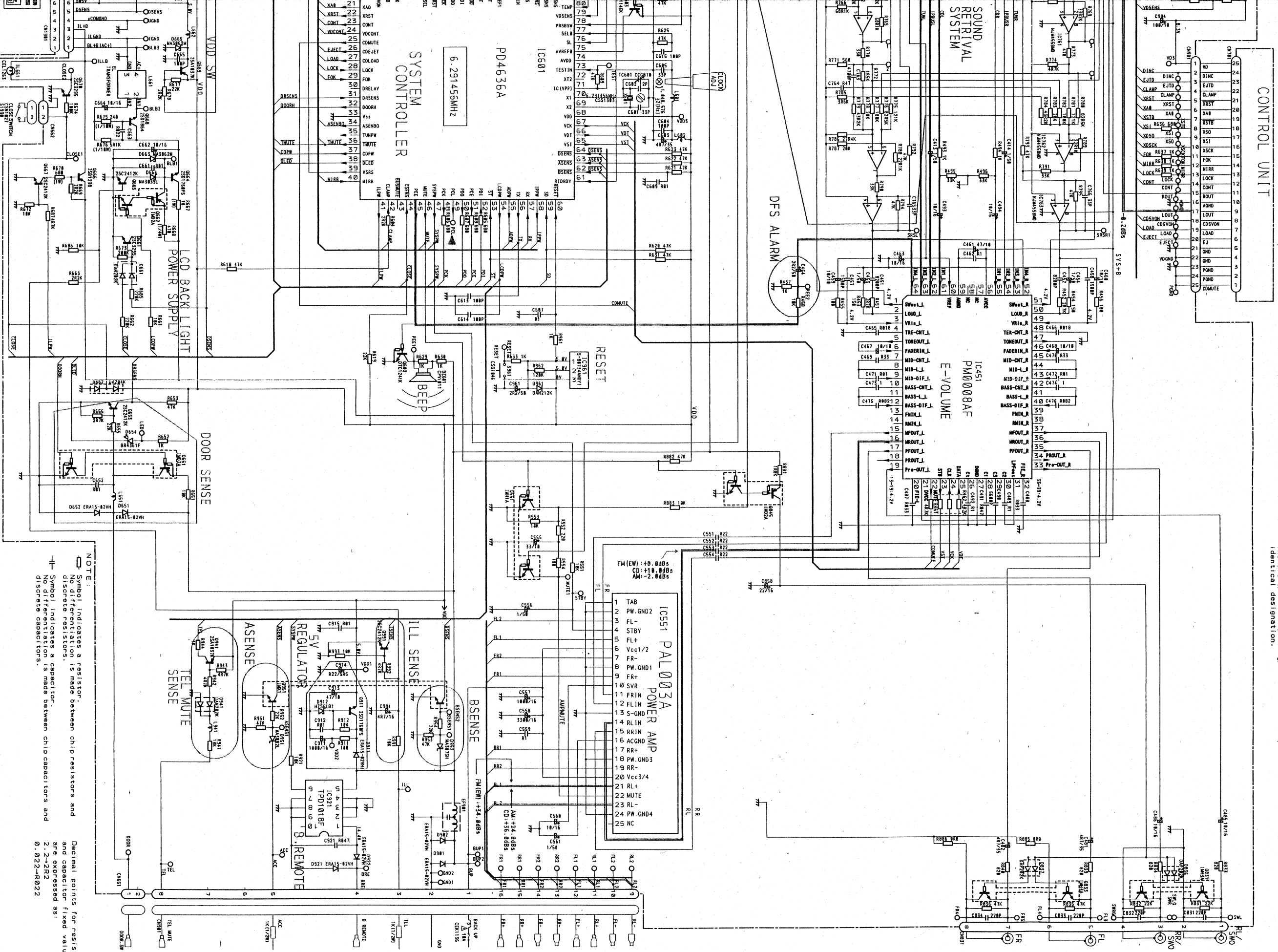
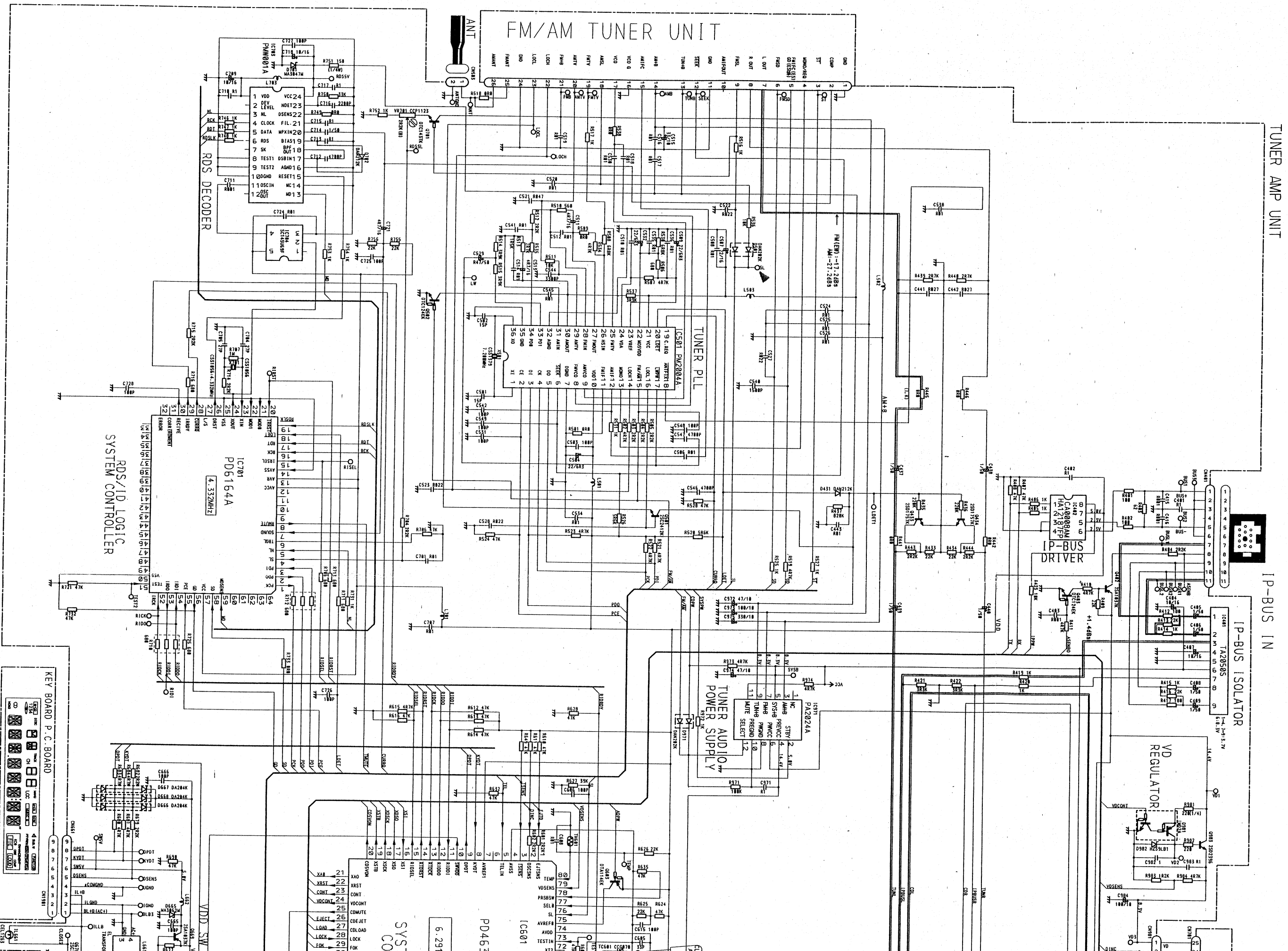


Fig. 10

DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

● Circuit Diagram (DEX-P77R/EW)



TUNER AMP UNIT

IP-BUS IN

IP-BUS ISOLATOR

IP-BUS DRIVER

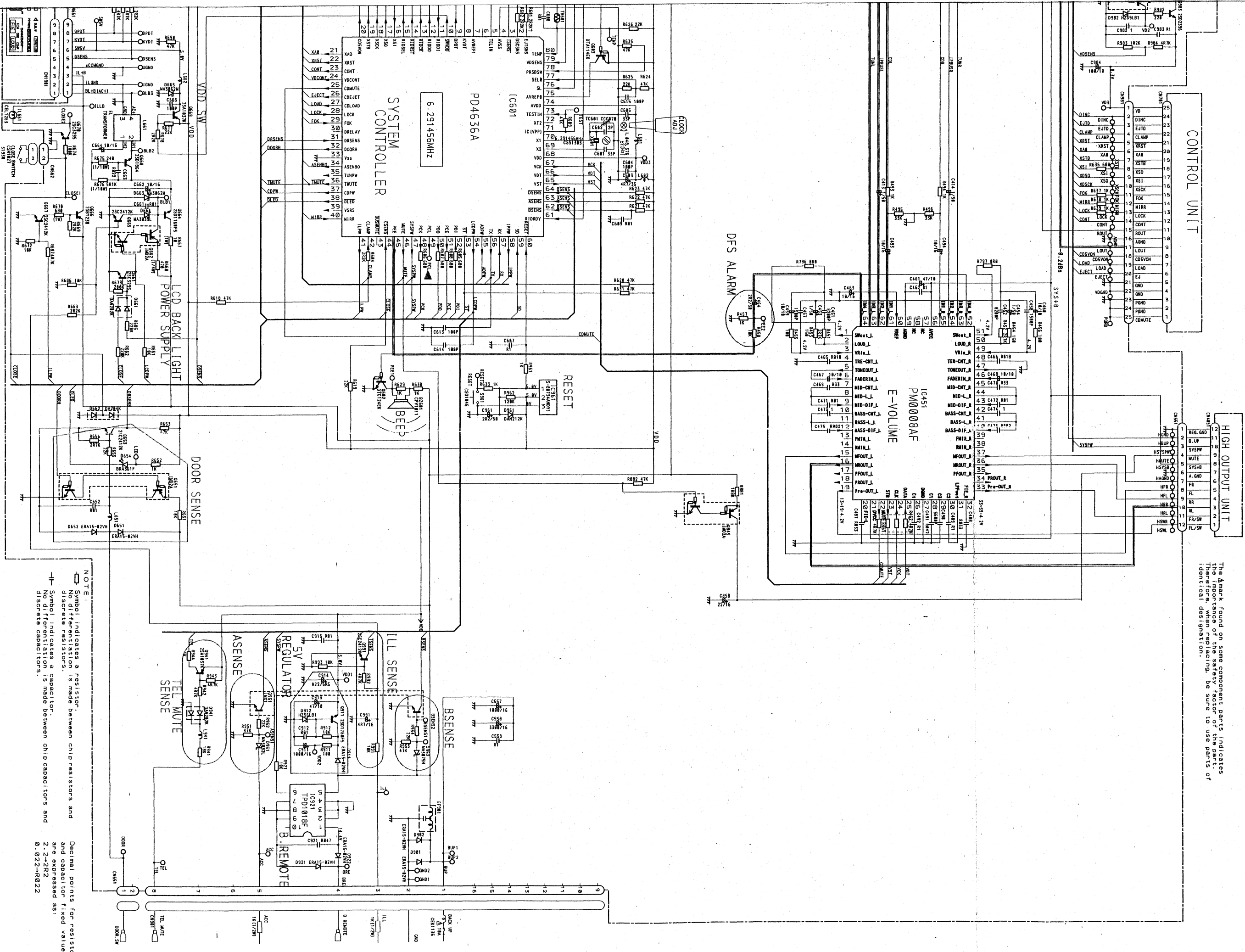
VD REGULATOR

FM/AM TUNER UNIT

TUNER AUDIO
POWER SUPPLY

RDS/ID LOGIC
SYSTEM CONTROLLER

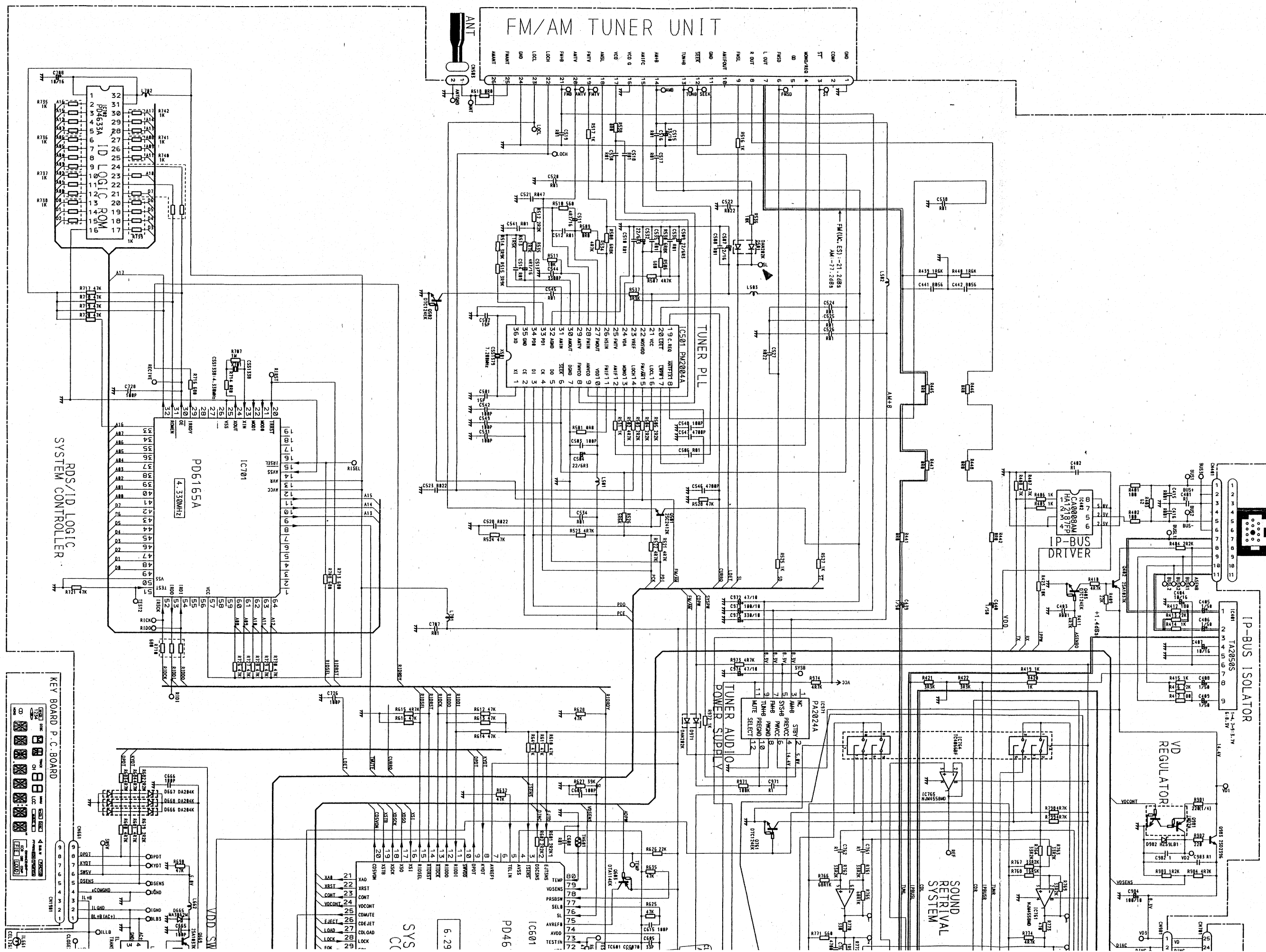
KEY BOARD P.C. BOARD



The Δ mark found on some component parts indicates the importance of the safety factor of the part. The Δ mark designations be sure to use parts of identical designation.

Fig. 11

IP-BUS IN



The A mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

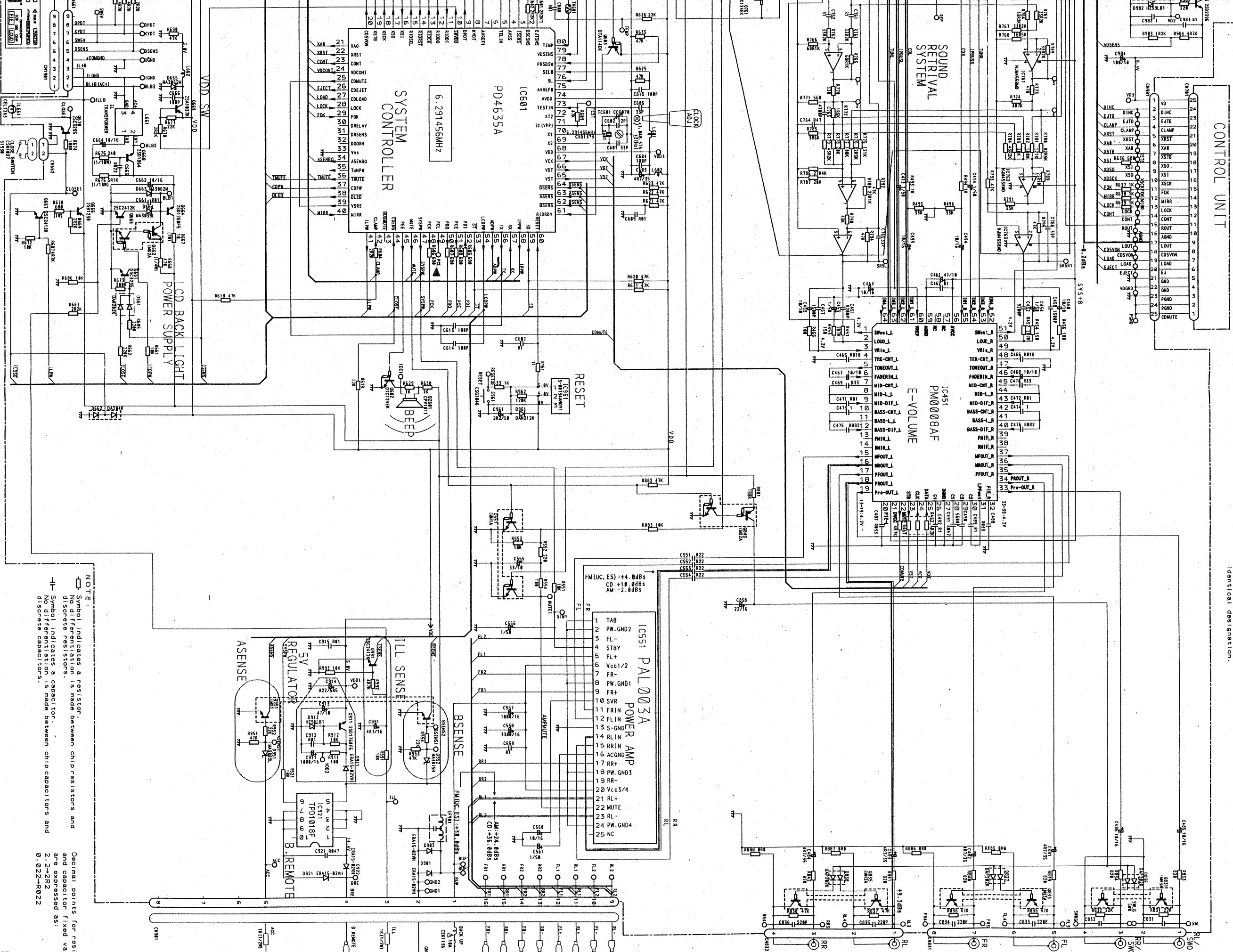
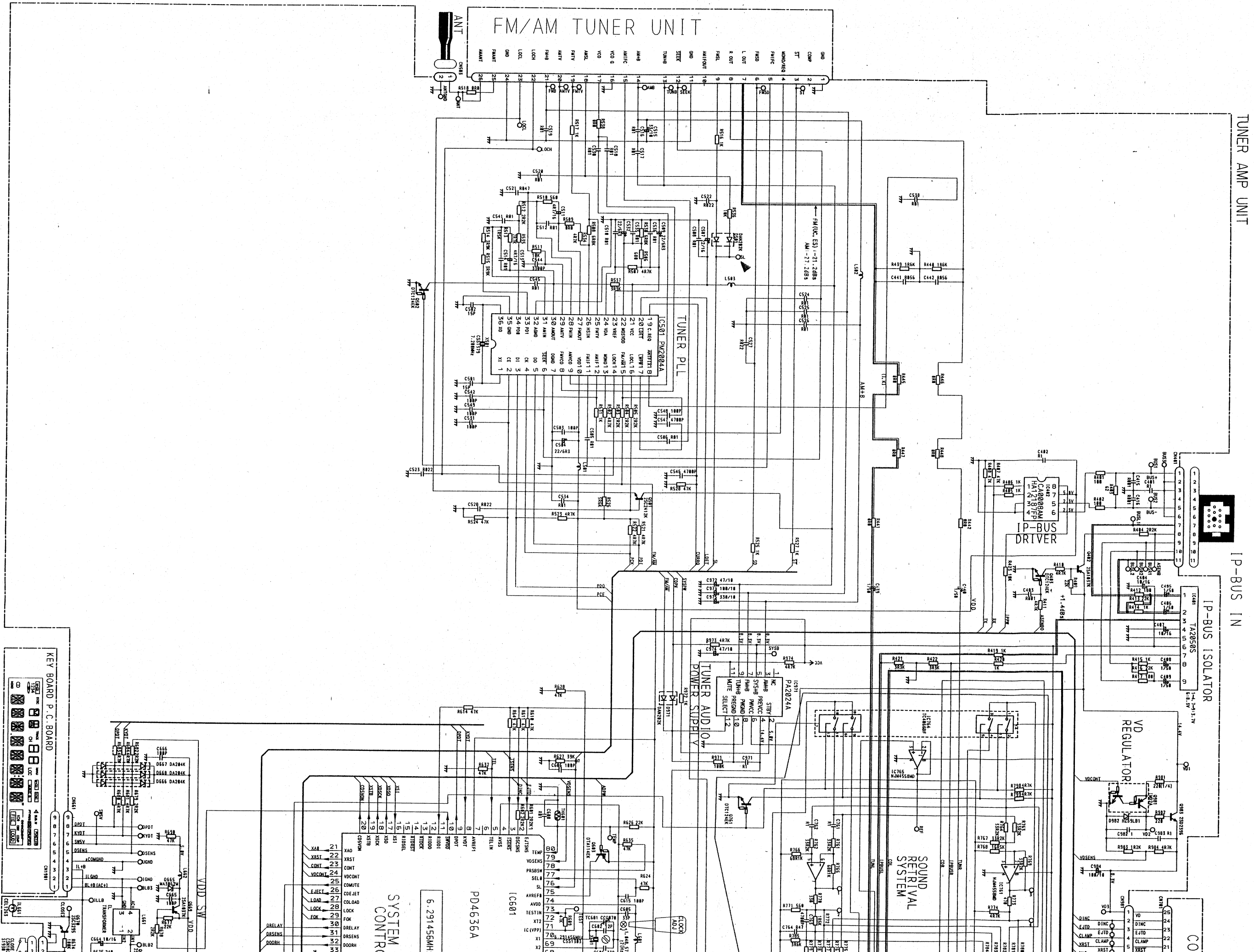
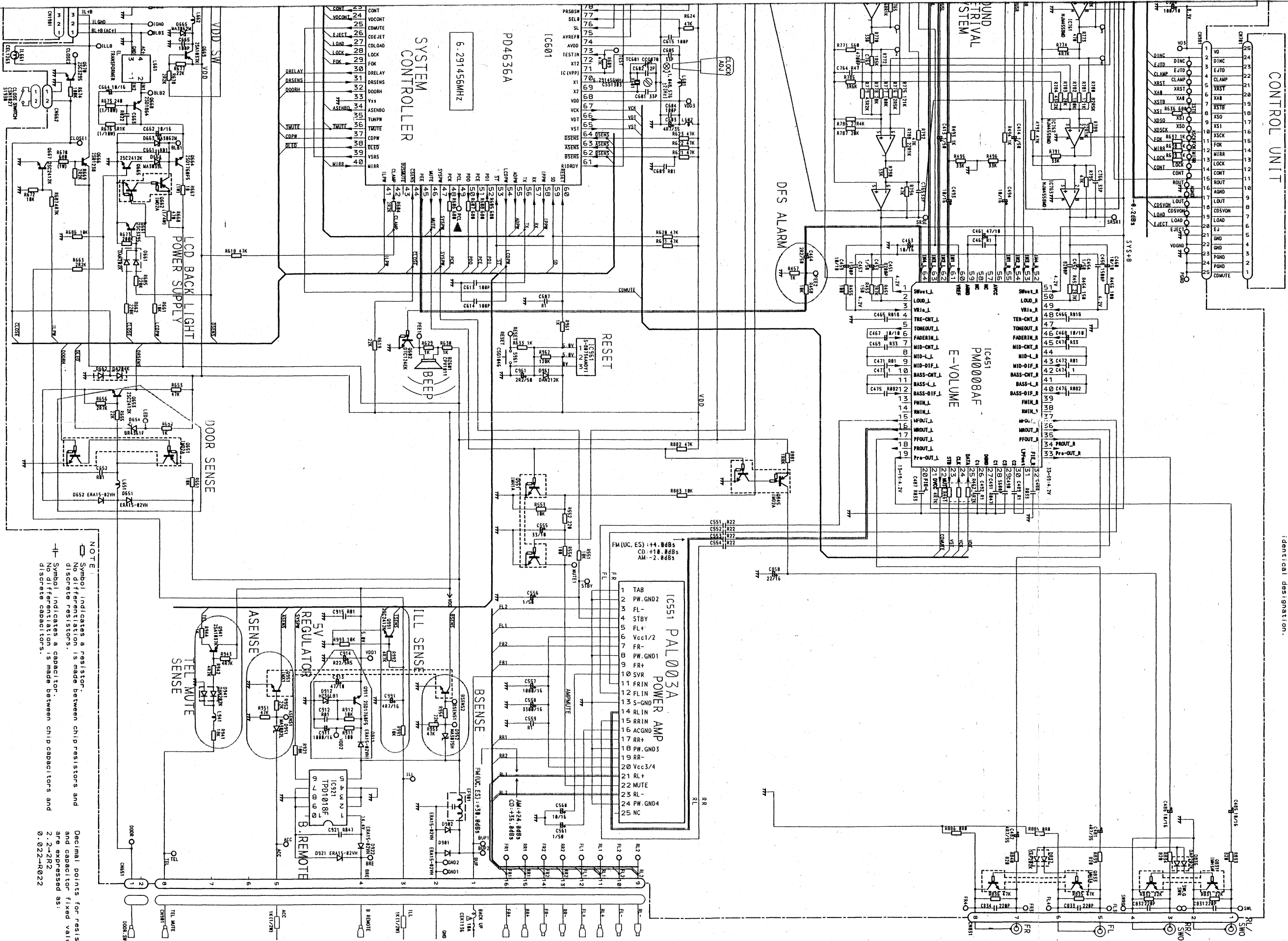


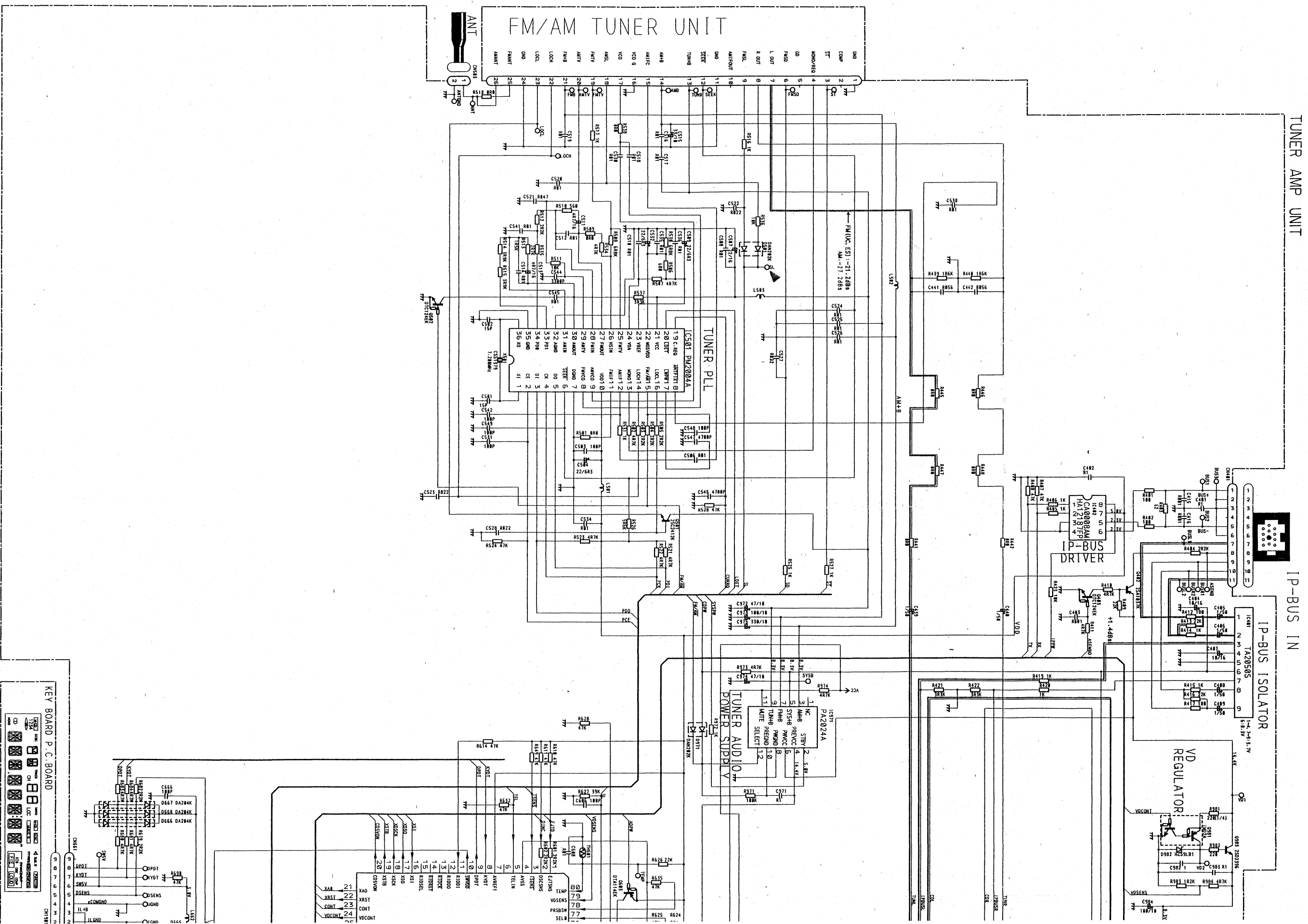
Fig. 12

DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

● Circuit Diagram (DEH-P723/ES)







The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

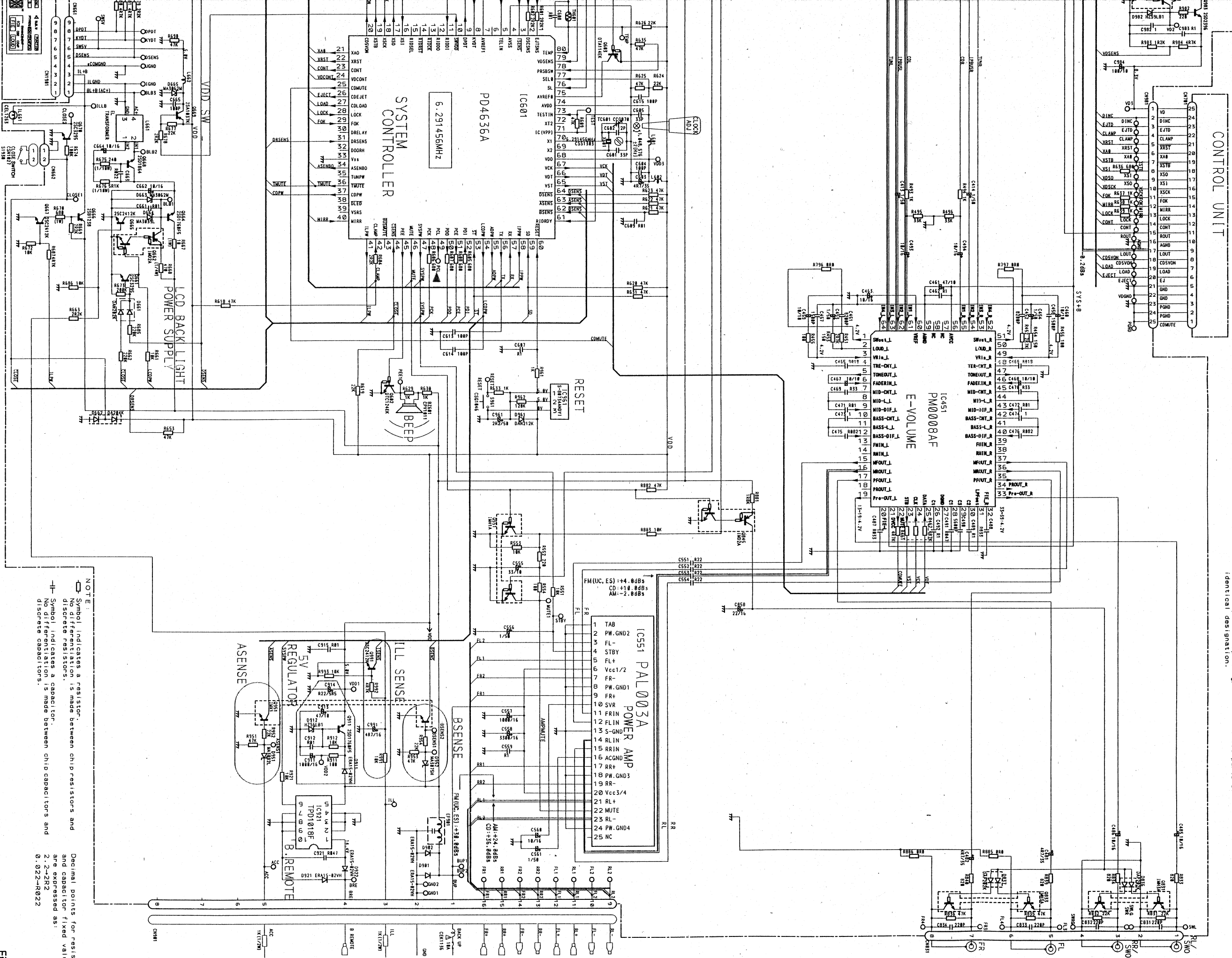


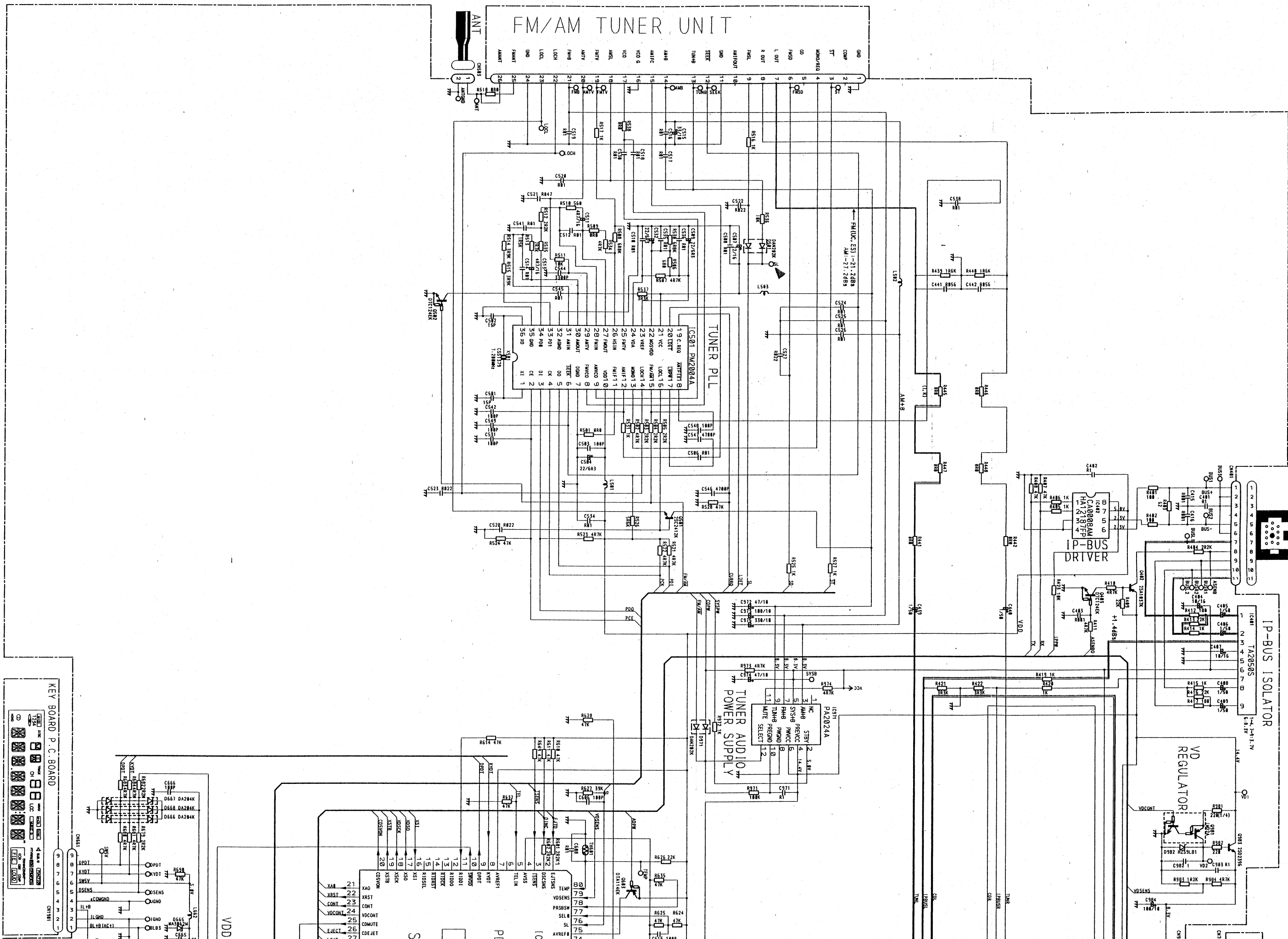
Fig.14

DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

● Circuit Diagram (DEX-P88/UC)

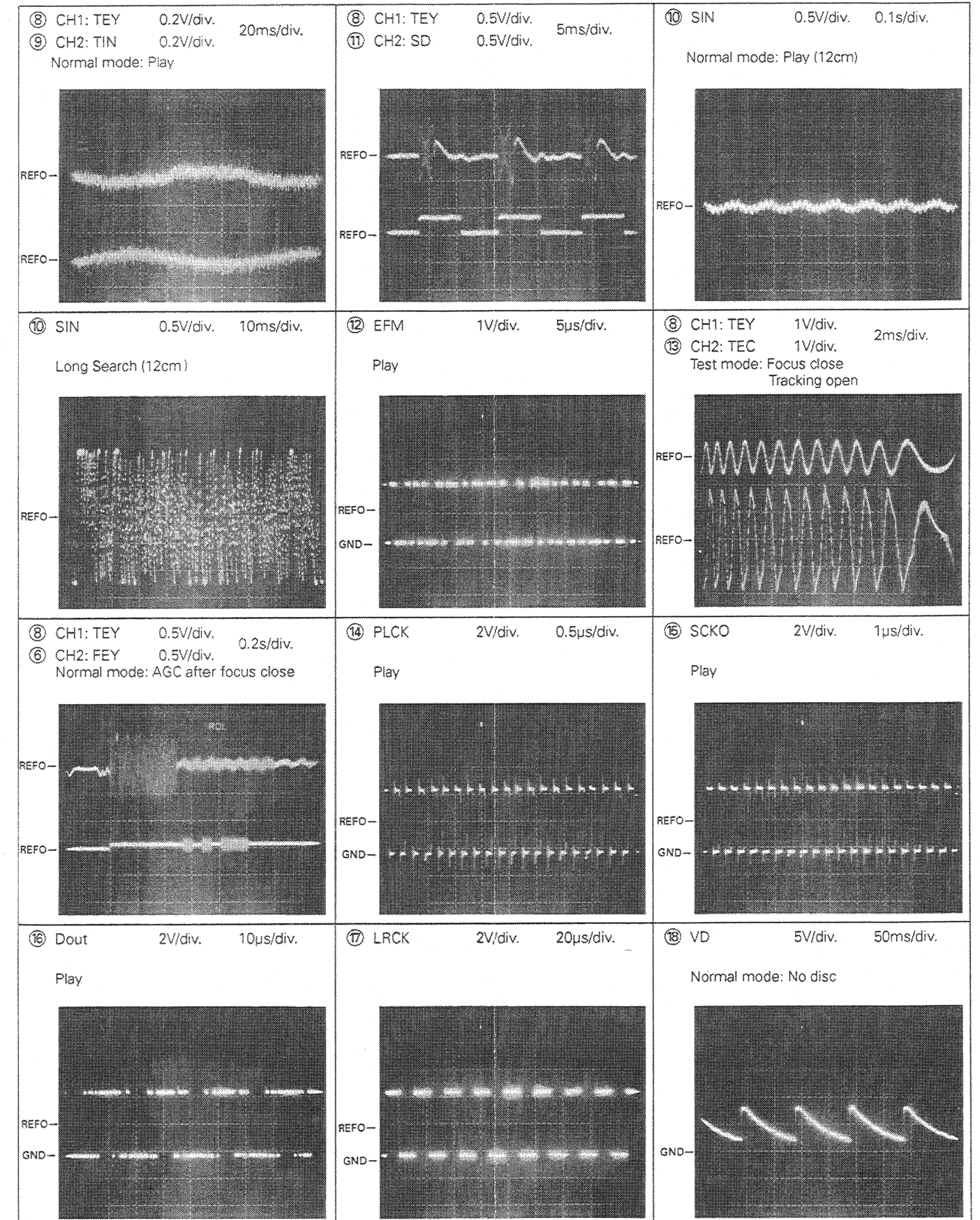
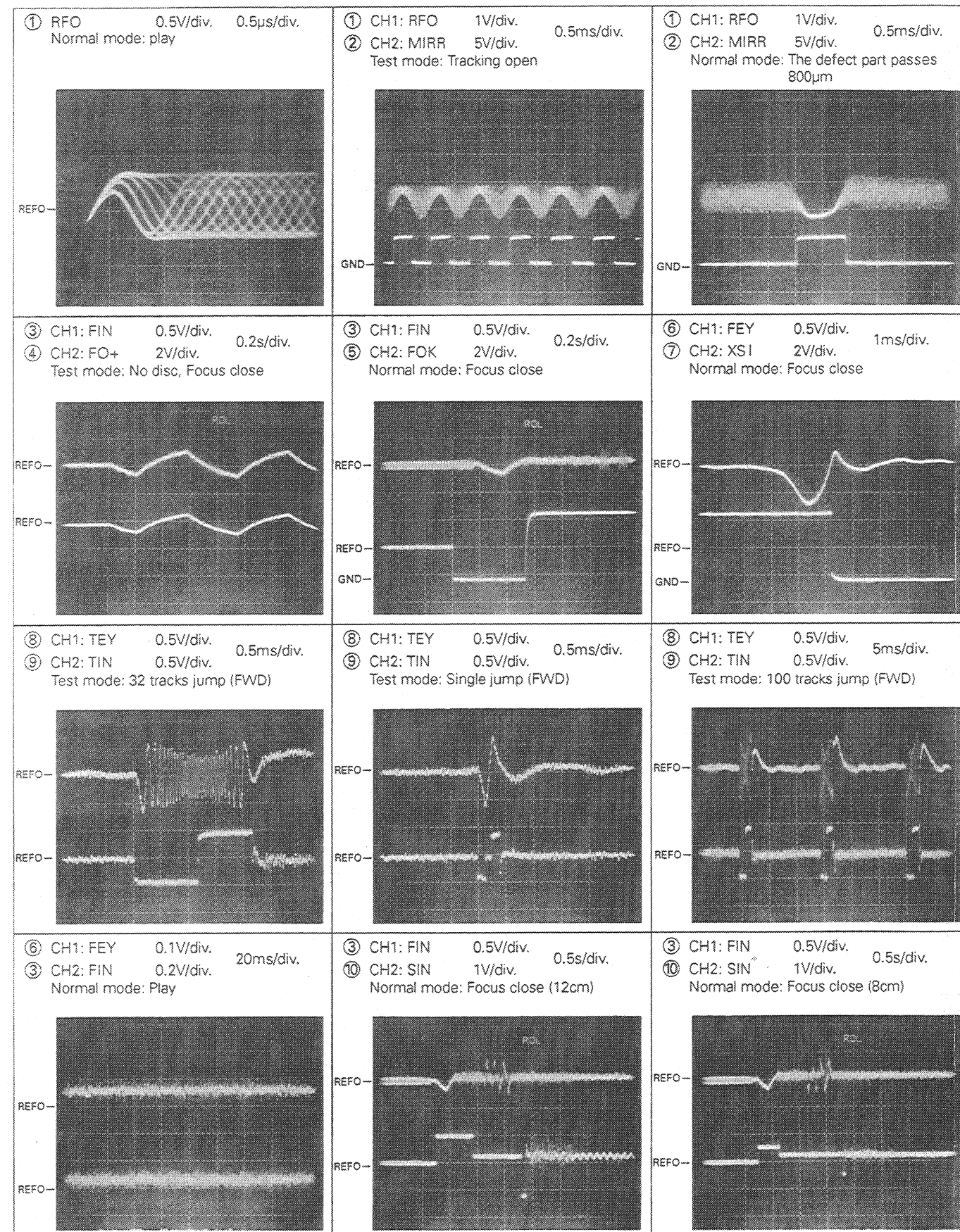
TUNER AMP UNIT

IP-BUS IN



Waveforms

Note: 1. The encircled numbers denote measuring pointes in the circuit diagram.
2. Reference voltage
REFO: 2.5V

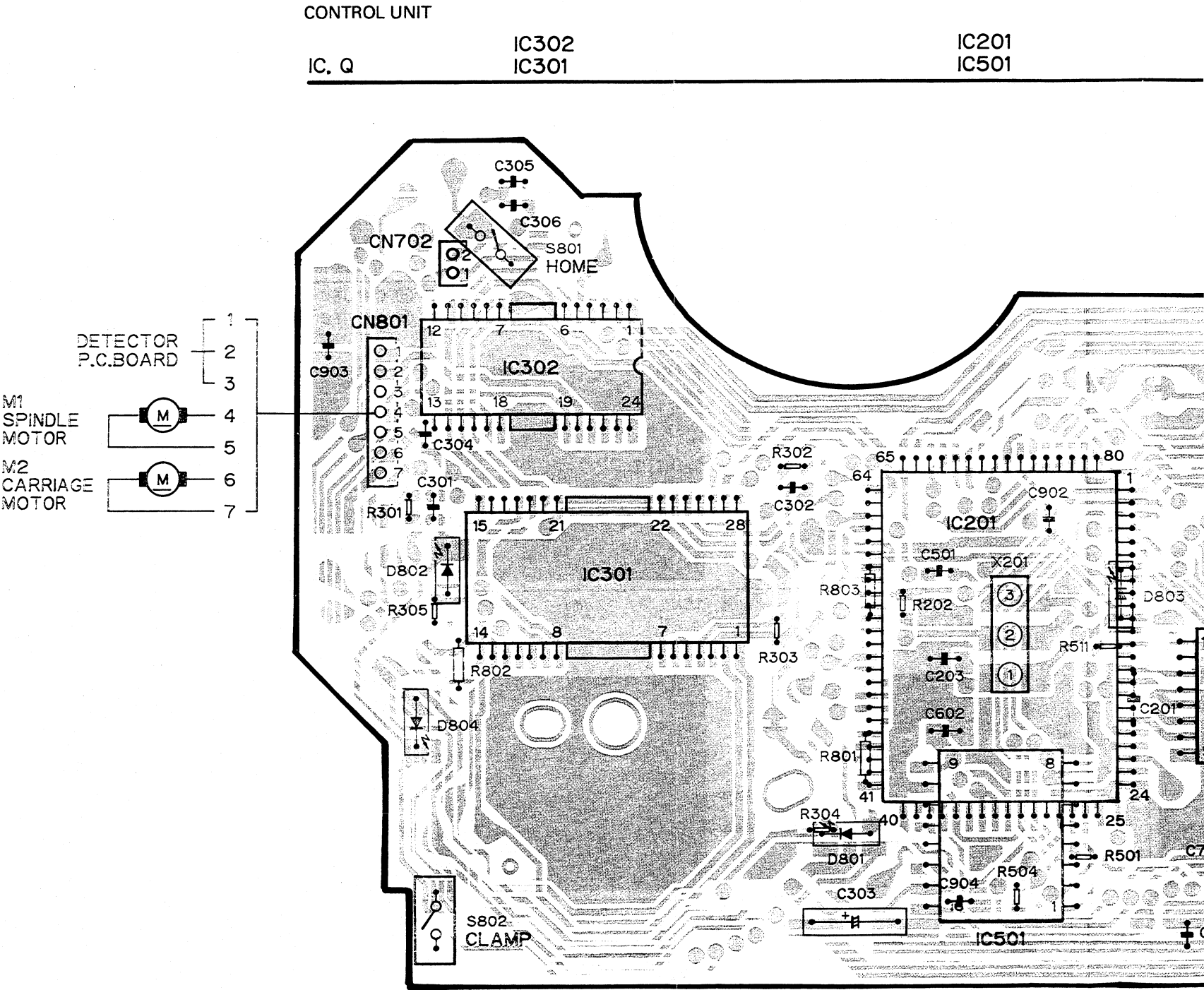
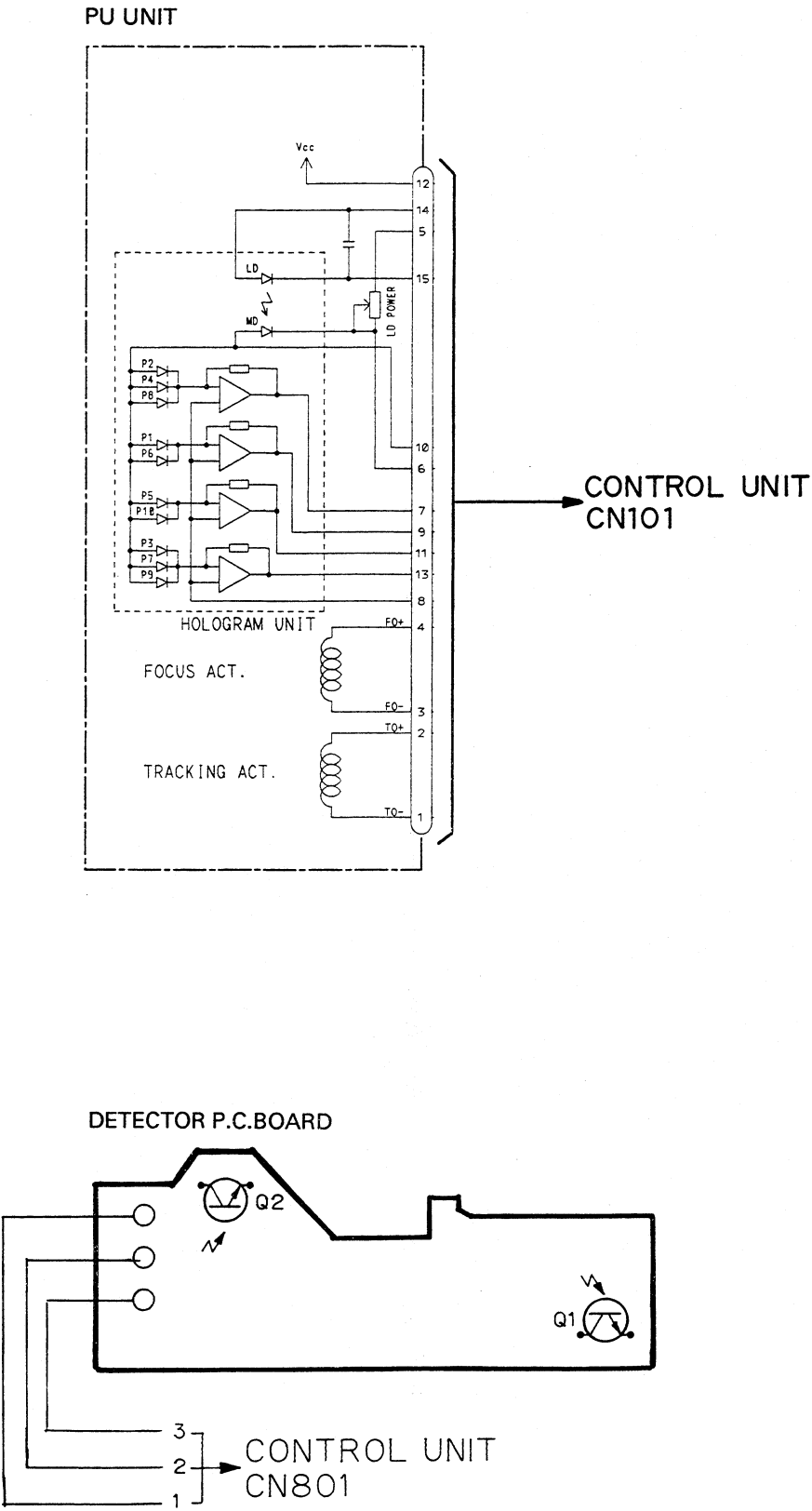


DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

<div>⑮ CH1: R OUT 1V/div. 0.2ms/div.</div> <div>⑯ CH2: L OUT 1V/div. 0.2ms/div.</div> <div>Normal mode: Play (1kHz 0dB)</div> <div></div>	<div>⑥ CH1: FEY 0.2V/div. 1ms/div.</div> <div>③ CH2: FIN 0.5V/div. 1ms/div.</div> <div>Normal mode: During AGC</div> <div></div>	<div>⑧ CH1: TEY 0.2V/div. 1ms/div.</div> <div>⑨ CH2: TIN 0.5V/div. 1ms/div.</div> <div>Normal mode: During AGC</div> <div></div>
<div>① CH1: RFO 1V/div. 0.5ms/div.</div> <div>② CH2: HOLD 5V/div. 0.5ms/div.</div> <div>Normal mode: The defect part passes 800μm</div> <div></div>	<div>③ CH1: FIN 1V/div. 0.5ms/div.</div> <div>② CH2: HOLD 5V/div. 0.5ms/div.</div> <div>Normal mode: The defect part passes 800μm</div> <div></div>	

11.2 CD MECHANISM MODULE

● Connection Diagram



NOTE:
The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.

PU UNIT (CGY1070)

CONTROL UNIT

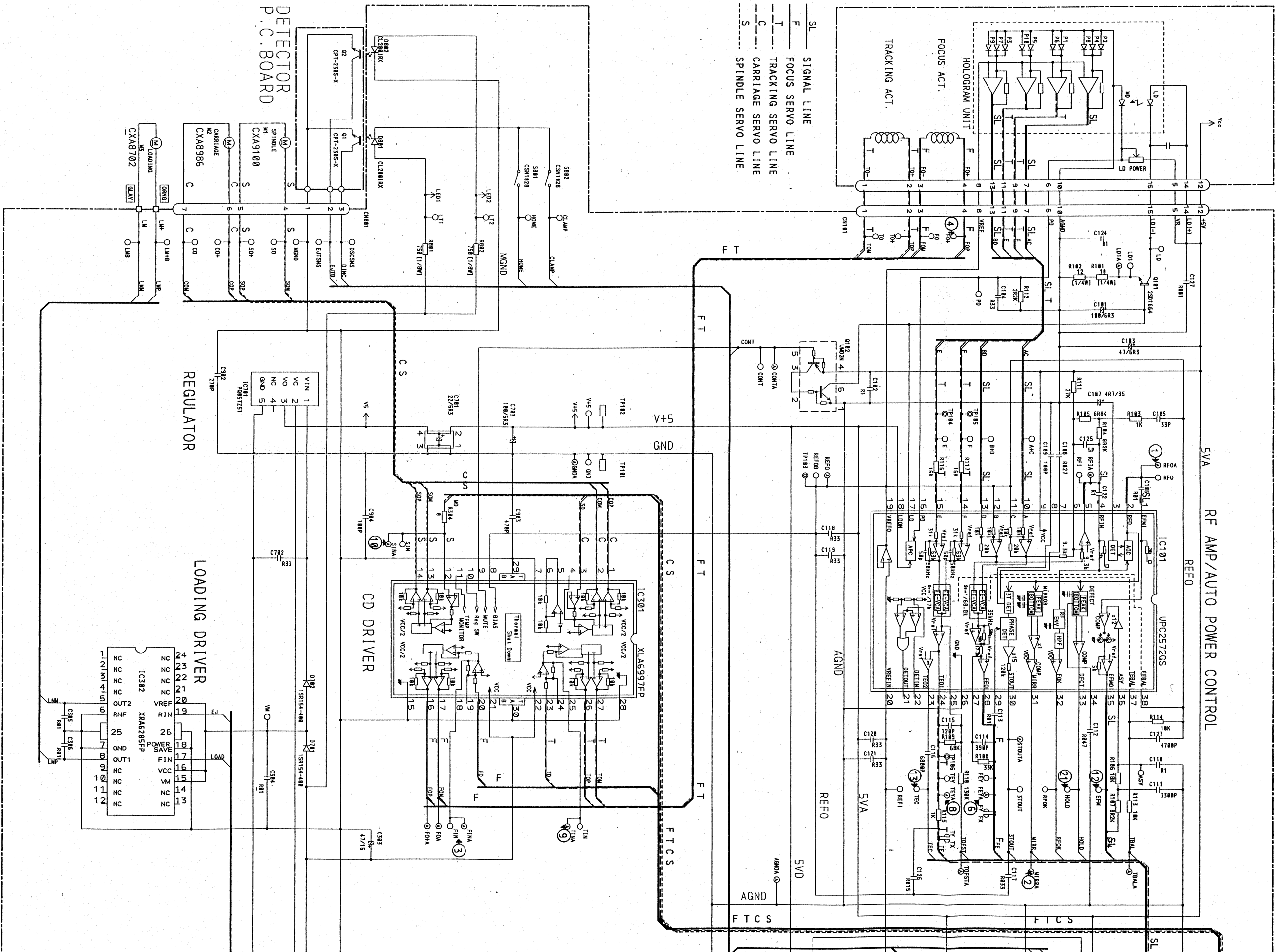


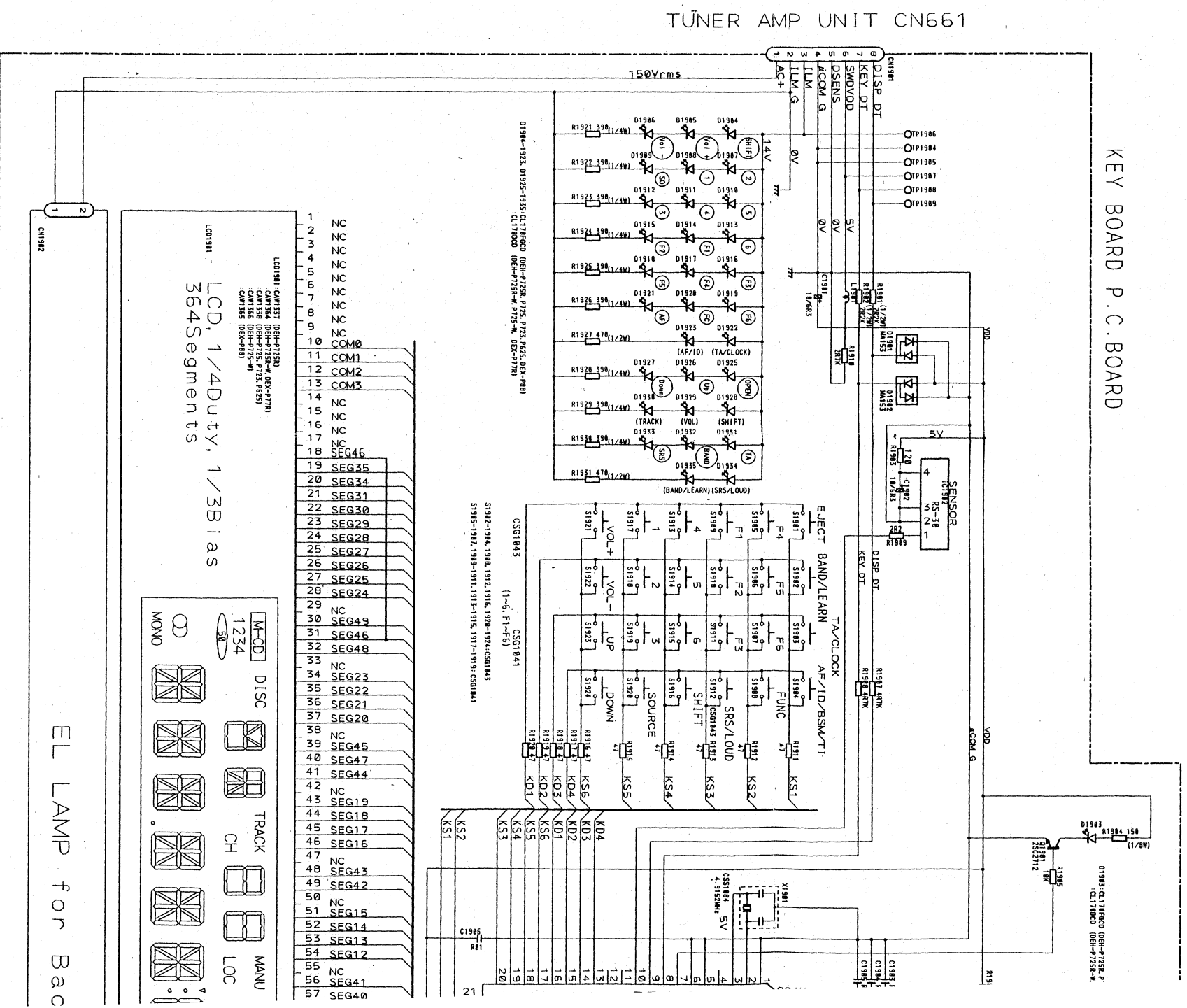


Fig. 17

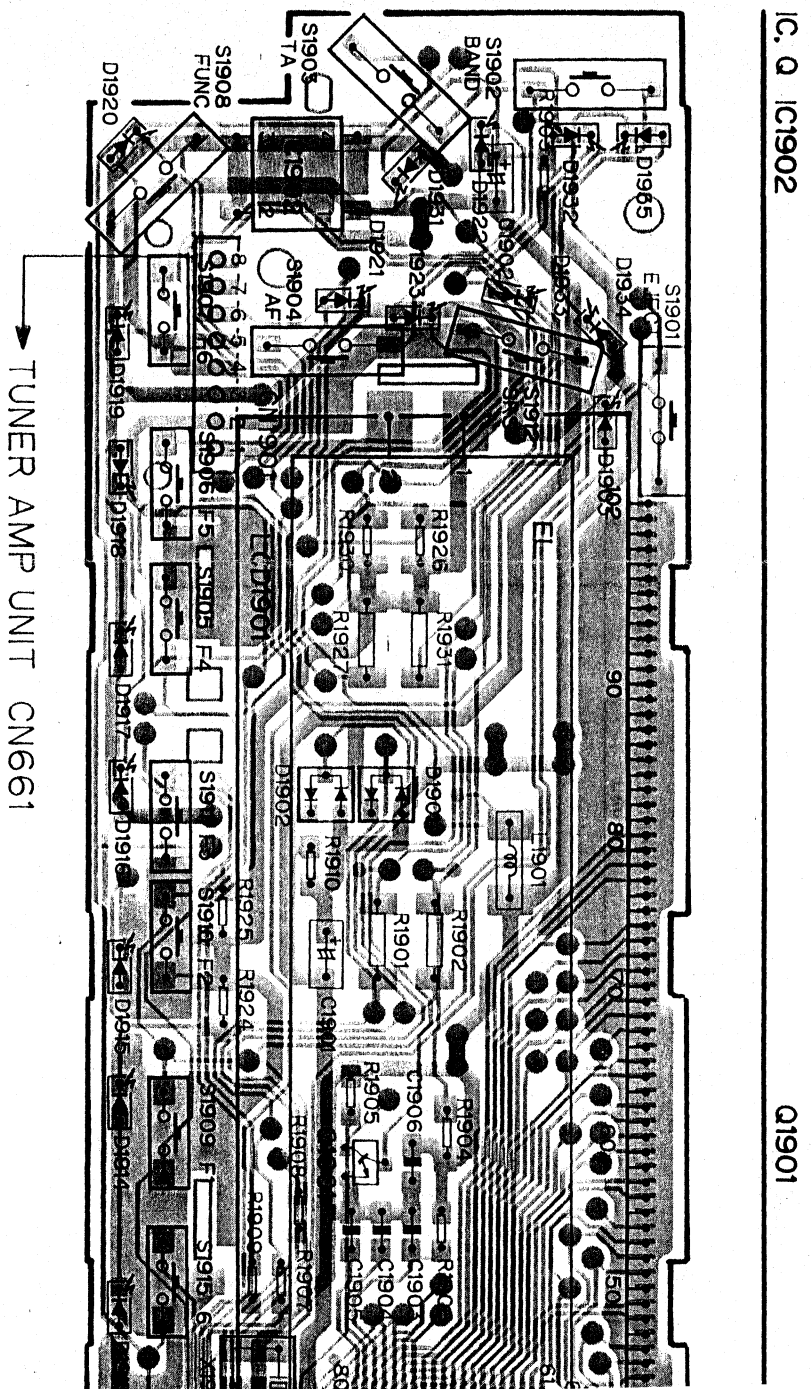
DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

11.3 KEY BOARD P.C.BOARD

● Circuit Diagram



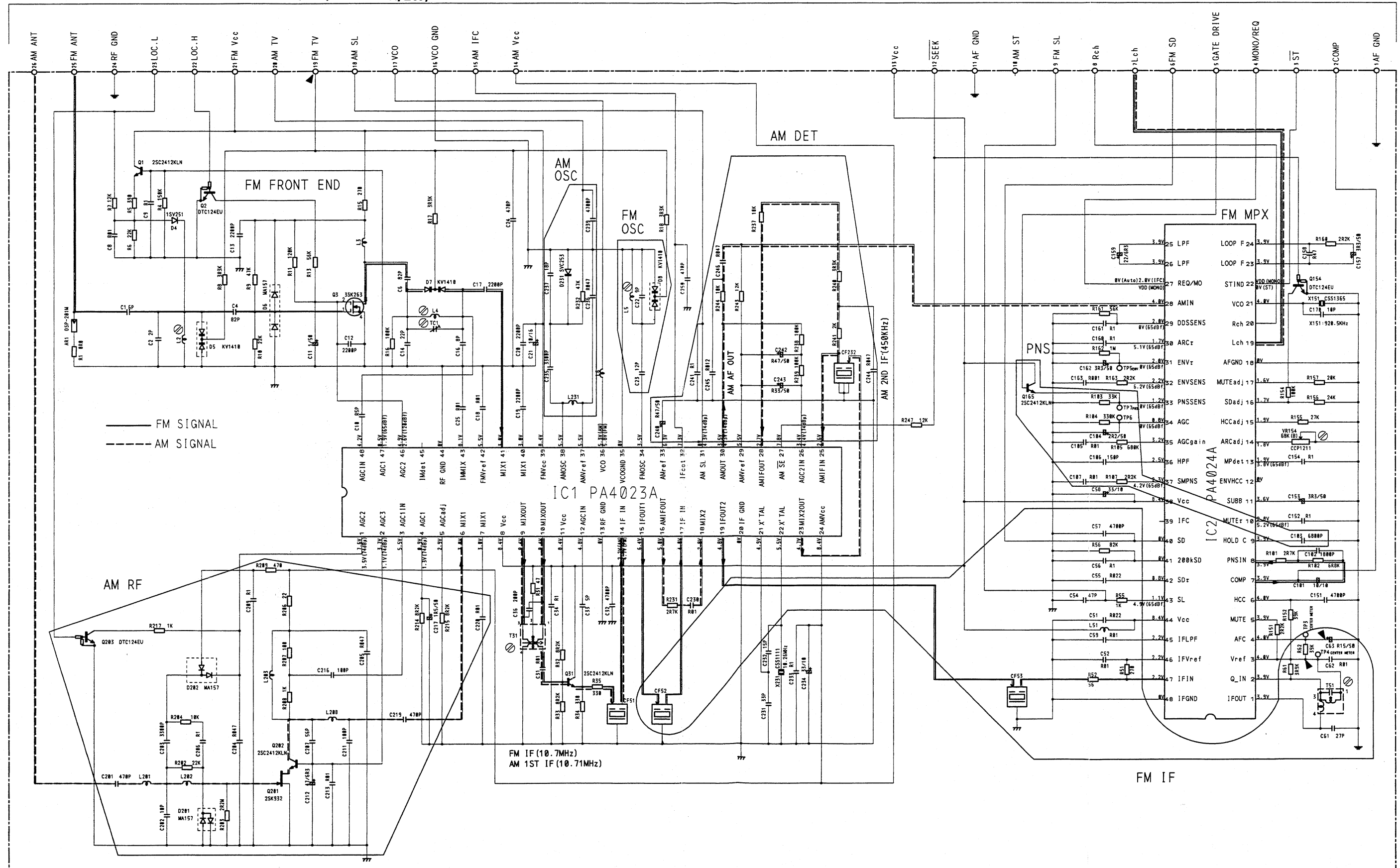
● Connection Diagram



11.4 FM/AM TUNER UNIT

● Circuit Diagram (DEH-P725R/EW, P725R-W/EW, DEX-P77R/EW)

TUNER AMP UNIT



DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

● Circuit Diagram (DEH-P725/UC, P725-W/UC, P723/ES, P625/UC, DEX-P88/UC)

TUNER AMP UNIT

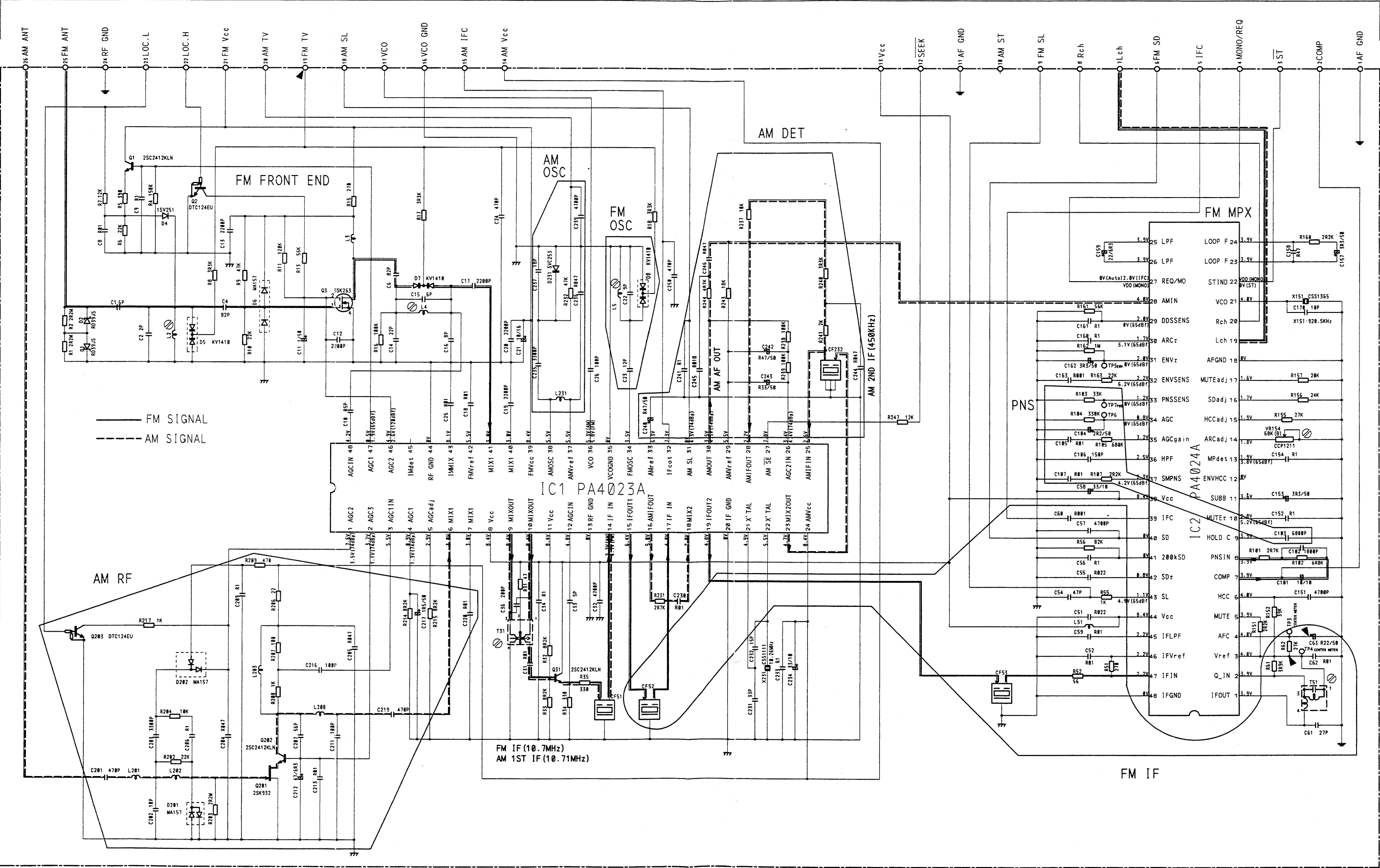
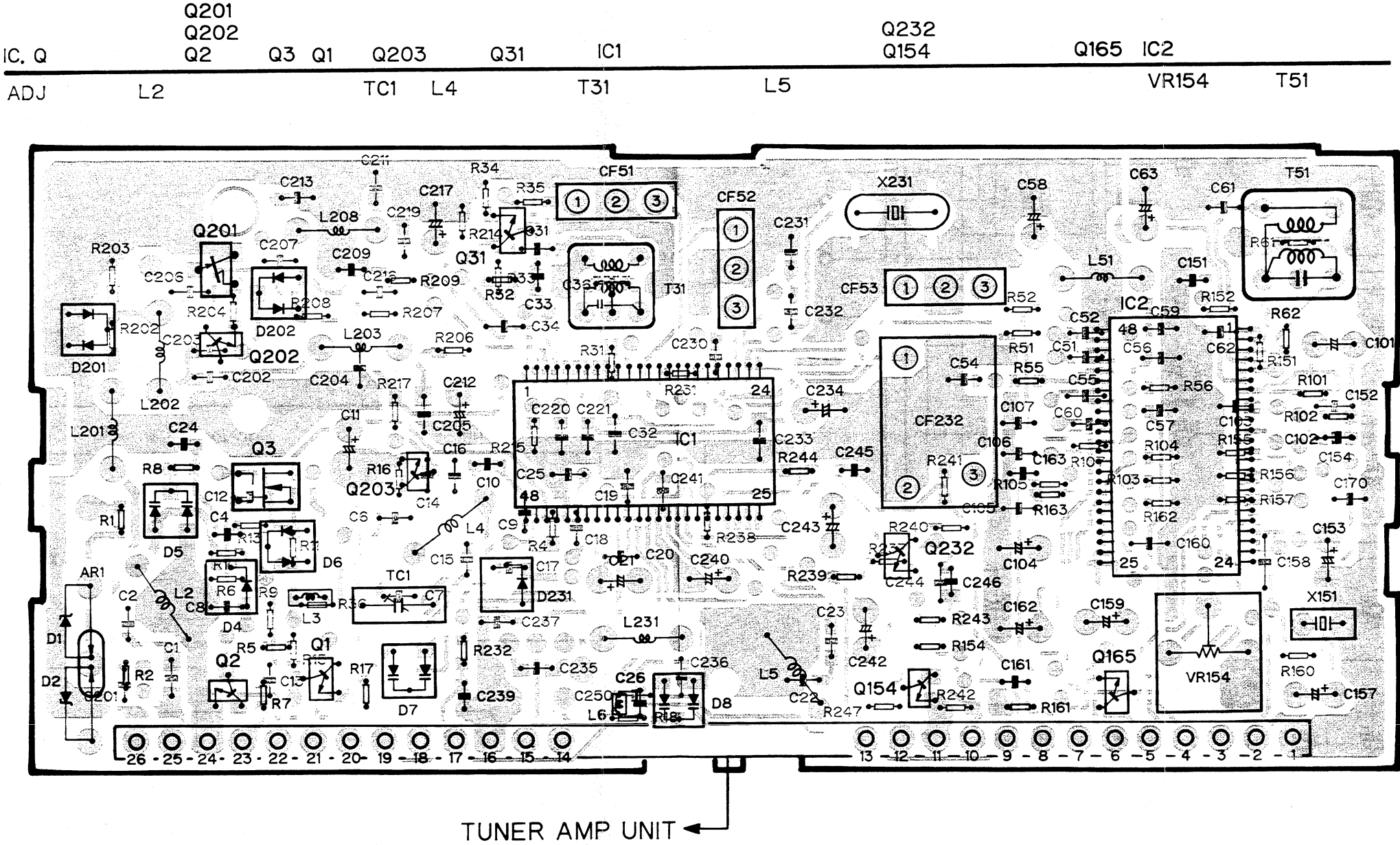


Fig. 21

● Connection Diagram



NOTE:
The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.

Fig. 22

DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

11.5 HIGH OUTPUT UNIT, DC-DC CONVERTER UNIT

● Circuit Diagram (DEX-P77R/EW, P88/UC)

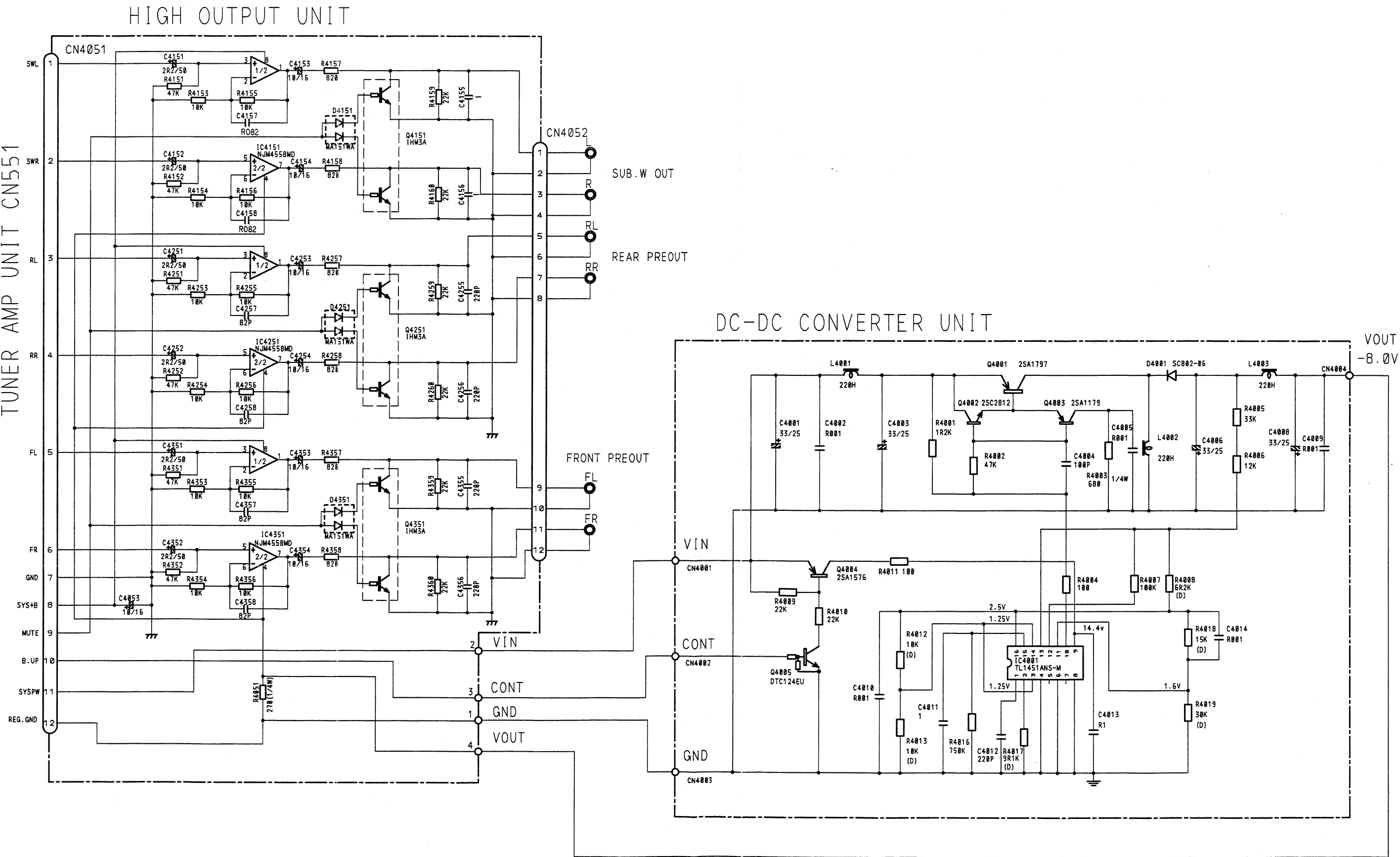


Fig.23

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Connection Diagram**

HIGH OUTPUT UNIT

Q4151
IC, Q IC4151 IC4251 Q4251 IC4351 Q4351

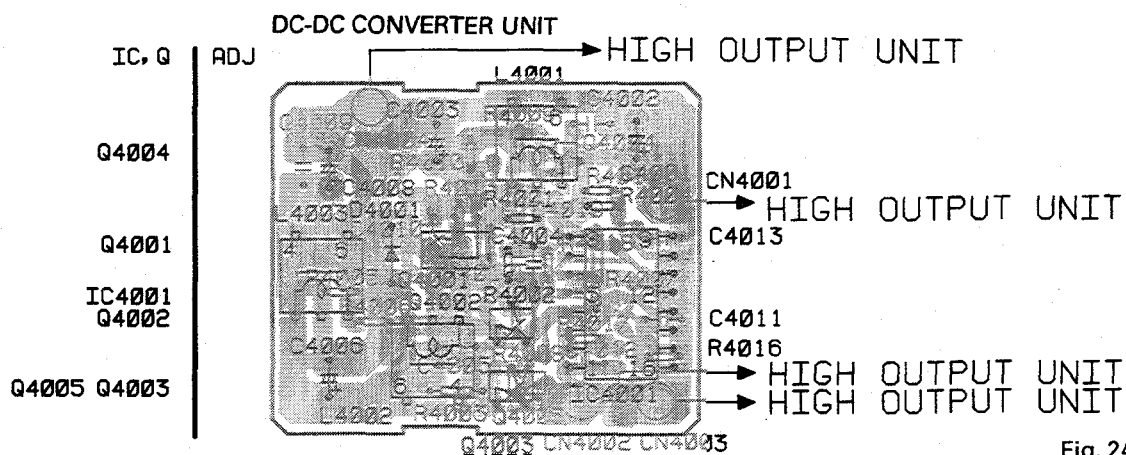
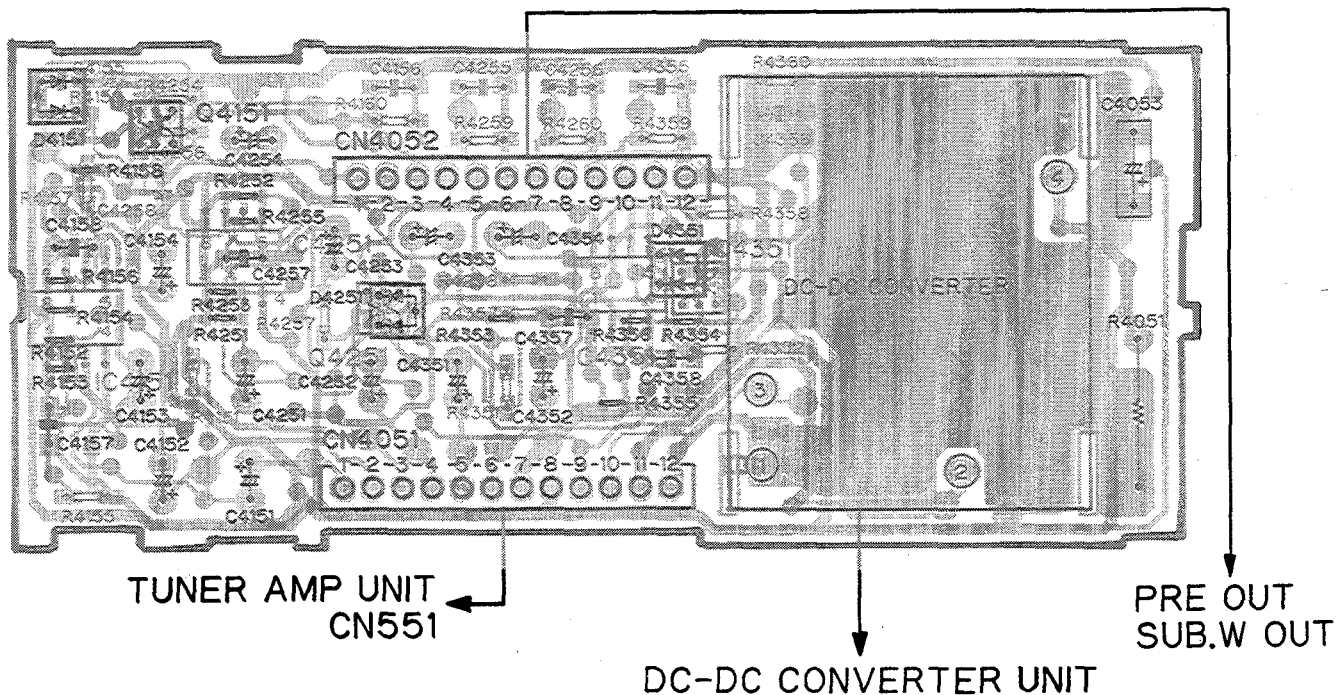


Fig. 24

12.1 CHASSIS



**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● CDE4976 (DEH-P725/UC, P725-W/UC, P625/UC)

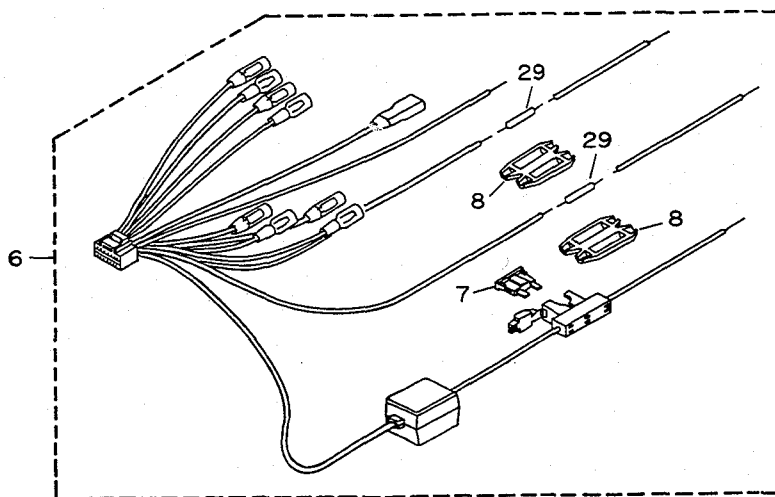


Fig. 26

● CDE4799 (DEX-P77R/EW)

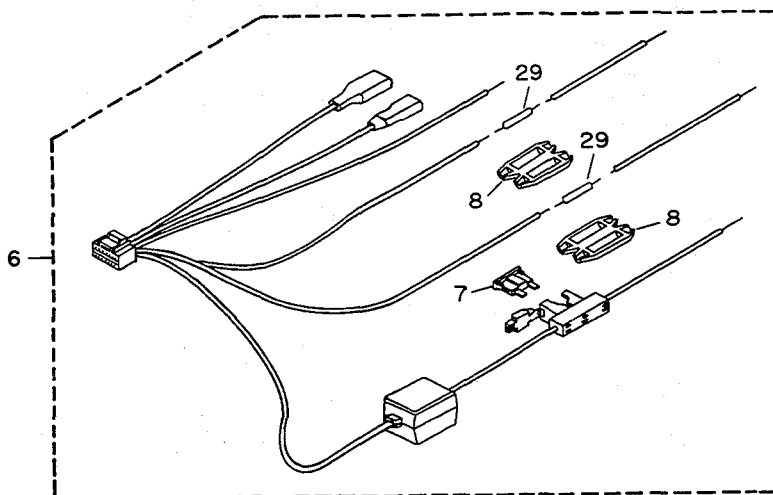


Fig. 27

● CDE4970 (DEX-P88/UC)

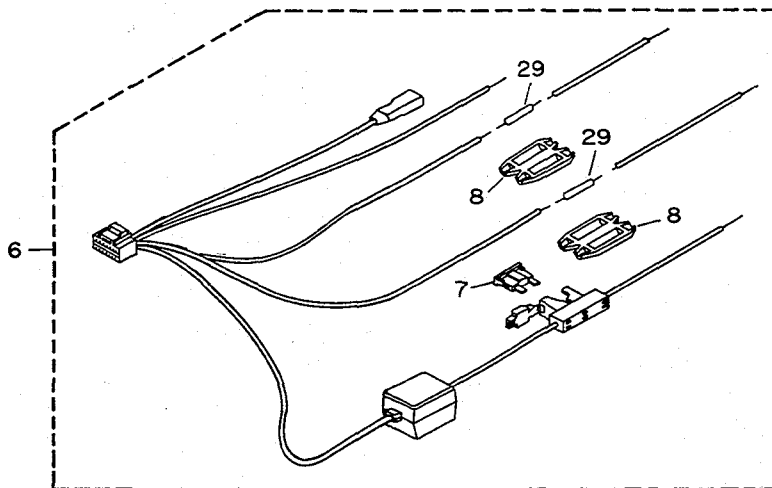


Fig. 28

DEH-P725R,P725R-W,P725,P725-W,P723,P625, DEX-P88,P77R

NOTE:

● Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.

● Parts List

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	1	Screw	BMZ30P040FMC	46	Insulator	CNM4684	
	2	Screw	BSZ26P050FMC	47	Heat Sink	CNR1408	
	3	Screw	BSZ26P080FMC	48	FM/AM Tuner Unit	CWE1416	
	4	Screw	BSZ30P060FMC	49	Detach Grille Assy	CXA8148	
	5	Screw	BMZ30P160FMC	50	Panel Assy	CXA8327	
	6	Cord Assy	CDE4648	51	Cover	CNS3477	
	7	Fuse(10A)	CEK1136	52	Connector(CN981)	CKS2774	
	8	Cap	CNS1472	53	.....	
	9	Connector	CDE4864	54	Screw	BSZ30P060FMC	
	10	Case	CNB2063	55	Holder	CNC6141	
	11	Holder	CNC4946	56	Holder	CNV1906	
	12	Holder	CNC4963	57	Screw	BPZ20P080FZK	
	13	Insulator	CNM4523	58	Button(-)	CAC4475	
	14	Panel	CNS3113	59	Button	CAC4476	
	15	Cap	CNV2680	60	Button(SO)	CAC4478	
	16	Tuner Amp Unit	CWX1916	61	Button(F)	CAC4479	
	17	Case Assy	CXA7194	62	Button	CAC4481	
	18	Remote Control Assy	CXA8688	63	Button	CAC4518	
	19	Chassis Unit	CXA8966	64	Button(+,-)	CAC4648	
	20	CD Mechanism Module	CXK5001	65	Spring	CBH1844	
	21	.....		66	Key Board Unit	CWM4444	
	22	Screw	CBA1284	67	Grille Unit	CXA8355	
	23	Spring	CBH-865	68	Cover Unit	CXA8707	
	24	Handle	CNC4947	69	Screw	BPZ20P060FMC	
	25	Bush	CNV1009	70	Screw	CBA1082	
	26	Screw	BSZ26P140FMC	71	Screw	CBA1176	
	27	Cord	CDE4787	72	Washer	CBF1001	
	28	Cap	CNS1472	73	Spring	CBH1528	
	29	Resistor	RS1/2P102JL	74	Spring	CBH1660	
	30	Cord	CDE4994	75	Spring	CBH1696	
	31	Antenna Cable	CDH1146	76	Connector	CKS2780	
	32	Clamper	CEF1004	77	Roller	CLA2041	
	33	Clamper	CEF1006	78	Arm	CNC5640	
	34	Plug(CN901)	CKM1187	79	Sheet	CNM4179	
	35	Plug(CN662)	CKS-783	80	P.C.Board	CNP3847	
	36	Plug(CN651)	CKS1222	81	Holder	CNV2141	
	37	Plug(CN831)	CKS1242	82	Cover	CNV3965	
	38	Connector(CN661)	CKS2212	83	Holder	CNV4105	
	39	Connector(CN401)	CKS2480	84	Holder Unit	CXA7077	
	40	Jack(CN503)	CKX1046	85	Damper Unit	CXA7714	
	41	Holder	CNC5013	86	Holder Unit	CXA7794	
	42	Holder	CNC5968	87	Holder Unit	CXA7959	
	43	Holder	CNC6526	88	Panel Unit	CXA8347	
	44	Bracket	CNC6656	* 89	Spacer	CNM4888	
	45	Bracket	CNC6559	90	Screw	PMS20P030FZK	

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	91	Holder	CNC6555		101	Connector(CN1901)	CKS2733
	92	Cord	CDE4387		102-107	.....
	93	EL	CEL1424		108	LCD(LCD1901)	CAW1337
	94	Holder	CNC6142		109-119	.....
	95	Film	CNM4349		120	IC(IC551)	PAL003A
*	96	Spacer	CNM4751		121	IC(IC971)	PA2024A
*	97	Spacer	CNM4752		122	Transistor(Q983)	2SD2396
*	98	Spacer	CNM4753		123	Lamp(IL661)	CEL1263
	99	Connector	CNV4430		124,125	.....
	100	Guide	CNV4431		126	Screw	BSZ30P060FMC
					127	Holder	CNC6469
					128	Cushion	CNM4387

- The DEH-P725R-W/EW, DEX-P77R/EW, DEH-P725/UC, DEH-P725-W/UC, DEH-P723/ES, DEH-P625/UC and DEX-P88/UC Parts Lists enumerate the parts which differ from those enumerated in the DEH-P725R/EW Parts List only. The parts other than those enumerated in the former are identical with those in the latter, to which you are requested to refer, accordingly. The DEH-P725R/EW Parts List is given on page 88.

Mark	No.	Description	DEH-P725R/EW	DEH-P725R-W/EW	DEX-P77R/EW	DEH-P725/UC	DEH-P725-W/UC
			Part No.	Part No.	Part No.	Part No.	Part No.
	5	Screw	BMZ30P160FMC	BMZ30P160FMC	.....	BMZ30P160FMC	BMZ30P160FMC
	6	Cord Assy	CDE4648	CDE4648	.....	.....	.....
	10	Case	CNB2063	CNB2063	CNB2055	CNB2063	CNB2063
	14	Panel	CNS3113	CNS3534	CNS3399	CNS3113	CNS3113
	16	Tuner Amp Unit	CWX1916	CWX1916	CWX1947	CWX1915	CWX1915
	18	Remote Control Assy	CXA8688	CXA8774	CXA8903	CXA8688	CXA8688
	19	Chassis Unit	CXA8966	CXA8801	CXA8533	CXA8361	CXA8361
	22	Screw	CBA1284	CBA1284	CBA1284	.....	.....
	26	Screw	BSZ26P140FMC	BSZ26P140FMC	.....	BSZ26P140FMC	BSZ26P140FMC
	27	Cord	CDE4787	CDE4787	CDE4787	.....	.....
	30	Cord	CDE4994	CDE4994	.....	CDE5029	CDE5029
	36	Plug(CN651)	CKS1222	CKS1222	CKS1222	.....	.....
	37	Plug(CN831)	CKS1242	CKS1242	.....	CKS1242	CKS1242
	43	Holder	CNC6526	CNC6526	CNC6526	CNC6526	CNC6526
	44	Bracket	CNC6656	CNC6656	.....	CNC6656	CNC6656
	45	Bracket	CNC6559	CNC6559	CNC6558	CNC6559	CNC6559
	46	Insulator	CNM4684	CNM4684	CNM4684	CNM4684	CNM4684
	47	Heat Sink	CNR1408	CNR1408	.....	CNR1408	CNR1408
	48	FM/AM Tuner Unit	CWE1416	CWE1416	CWE1416	CWE1417	CWE1417
	49	Detach Grille Assy	CXA8148	CXA8777	CXA8508	CXA8147	CXA8873
	50	Panel Assy	CXA8327	CXA8509	CXA8509	CXA8711	CXA8876
	59	Button	CAC4476	CAC4678	CAC4636	CAC4544	CAC4735
	60	Button(SO)	CAC4478	CAC4679	CAC4759	CAC4478	CAC4679
	61	Button(F)	CAC4479	CAC4680	CAC4760	CAC4479	CAC4680
	63	Button	CAC4518	CAC4518	CAC4620	CAC4517	CAC4517

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

Mark No.	Description	DEH-P725R/EW	DEH-P725R-W/EW	DEX-P77R/EW	DEH-P725/UC	DEH-P725-W/UC
		Part No.	Part No.	Part No.	Part No.	Part No.
64	Button (+, -)	CAC4648	CAC4758	CAC4758	CAC4648	CAC4758
66	Key Board Unit	CWM4444	CWM4445	CWM4445	CWM4443	CWM4448
67	Grille Unit	CXA8355	CXA8779	CXA8643	CXA8354	CXA8874
68	Cover Unit	CXA8707	CXA8781	CXA8695	CXA8707	CXA8781
88	Panel Unit	CXA8347	CXA8696	CXA8696	CXA8708	CXA8875
102	Cord	.....	.....	CDE4801	.....	.....
103	Screw	.....	.....	BSZ30P060FMC	.....	.....
104	Cord	.....	.....	.....	CDE4995	CDE4995
105	Cord	.....	.....	.....	.....	.....
106	Cap	.....	.....	CNV2680	.....	.....
107	Cap	.....	.....	.....	CNV2680	CNV2680
108	LCD(LCD1901)	CAW1337	CAW1364	CAW1364	CAW1338	CAW1366
109	Cord(CN4051)	.....	.....	CDE4807	.....	.....
110	Plug(CN4052)	.....	.....	CKS1059	.....	.....
111	Insulator	.....	.....	CNM4760	.....	.....
112	Holder	.....	.....	CNC6143	.....	.....
113	Insulator	.....	.....	CNM4573	.....	.....
114	Shield	.....	.....	CNC6274	.....	.....
115	Insulator	.....	.....	CNM4814	.....	.....
116	Shield	.....	.....	CNC6224	.....	.....
117	Insulator	.....	.....	CNM4610	.....	.....
118	High Output Unit	.....	.....	CWX1922	.....	.....
119	DC-DC Converter Unit	.....	.....	CWM4538	.....	.....
120	IC(IC551)	PAL003A	PAL003A	.....	PAL003A	PAL003A
124	Plug(CN832)	.....	.....	.....	CKS1238	CKS1238
126	Screw	BSZ30P060FMC	BSZ30P060FMC	.....	BSZ30P060FMC	BSZ30P060FMC
129	Insulator	.....	.....	CNM4815	.....	.....
130	Resistor	.....	.....	.....	.....	.....
131	Cap	.....	.....	.....	.....	.....
132	Cord Assy	.....	.....	.....	CDE4976	CDE4976
133	Cord	.....	.....	CDE4799	.....	.....
134	Cord	.....	.....	.....	.....	.....
135	Spacer	.....	.....	CNM4868	.....	.....

Mark No.	Description	DEH-P725R/EW	DEH-P723/ES	DEH-P625/UC	DEX-P88/UC
		Part No.	Part No.	Part No.	Part No.
5	Screw	BMZ30P160FMC	BMZ30P160FMC	BMZ30P160FMC	.....
6	Cord Assy	CDE4648	CDE4648	.....	.....
10	Case	CNB2063	CNB2063	CNB2063	CNB2055
14	Panel	CNS3113	CNS3113	CNS3113	CNS3113
16	Tuner Amp Unit	CWX1916	CWX1917	CWX1919	CWX1914
18	Remote Control Assy	CXA8688	CXA8688	.....	CXA8688
19	Chassis Unit	CXA8966	CXA8361	CXA8361	CXA8532
22	Screw	CBA1284	.....	.....	.....
26	Screw	BSZ26P140FMC	BSZ26P140FMC	BSZ26P140FMC	.....
27	Cord	CDE4787	CDE4787	.....	.....
30	Cord	CDE4994	CDE4994	CDE4994	.....
36	Plug(CN651)	CKS1222	CKS1222	.....	CKS1222
37	Plug(CN831)	CKS1242	CKS1242	CKS1242	.....
43	Holder	CNC6526	.....	.....	.....
44	Bracket	CNC6656	CNC6656	CNC6656	.....

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

Mark No.	Description	DEH-P725R/EW	DEH-P723/ES	DEH-P625/UC	DEX-P88/UC
		Part No.	Part No.	Part No.	Part No.
45	Bracket	CNC6559	CNC6559	CNC6560	CNC6558
46	Insulator	CNM4684	CNM4684	.....	.....
47	Heat Sink	CNR1408	CNR1408	CNR1408	.....
48	FM/AM Tuner Unit	CWE1416	CWE1417	CWE1417	CWE1417
49	Detach Grille Assy	CXA8148	CXA8149	CXA8151	CXA8146
50	Panel Assy	CXA8327	CXA8327	CXA8711	CXA8327
59	Button	CAC4476	CAC4545	CAC4545	CAC4545
60	Button(SO)	CAC4478	CAC4478	CAC4478	CAC4478
61	Button(F)	CAC4479	CAC4479	CAC4479	CAC4479
63	Button	CAC4518	CAC4519	CAC4521	CAC4521
64	Button (+, -)	CAC4648	CAC4648	CAC4648	CAC4648
66	Key Board Unit	CWM4444	CWM4443	CWM4443	CWM4443
67	Grille Unit	CXA8355	CXA8356	CXA8358	CXA8359
68	Cover Unit	CXA8707	CXA8707	CXA8707	CXA8707
88	Panel Unit	CXA8347	CXA8347	CXA8708	CXA8347
102	Cord	.....	.....	.....	CDE4801
103	Screw	.....	.....	.....	BSZ30P060FMC
104	Cord	.....	.....	.....	.....
105	Cord	.....	.....	.....	CDE4786
106	Cap	.....	.....	.....	CNV2680
107	Cap	.....	.....	.....	.....
108	LCD(LCD1901)	CAW1337	CAW1338	CAW1338	CAW1365
109	Cord(CN4051)	.....	.....	.....	CDE4807
110	Plug(CN4052)	.....	.....	.....	CKS1059
111	Insulator	.....	.....	.....	CNM4760
112	Holder	.....	.....	.....	CNC6143
113	Insulator	.....	.....	.....	CNM4573
114	Shield	.....	.....	.....	CNC6274
115	Insulator	.....	.....	.....	CNM4814
116	Shield	.....	.....	.....	CNC6224
117	Insulator	.....	.....	.....	CNM4610
118	High Output Unit	.....	.....	.....	CWX1922
119	DC-DC Converter Unit	.....	.....	.....	CWX4538
120	IC(IC551)	PAL003A	PAL003A	PAL003A	.....
124	Plug(CN832)	.....	.....	.....	.....
126	Screw	BSZ30P060FMC	BSZ30P060FMC	BSZ30P060FMC	.....
129	Insulator	.....	.....	.....	CNM4815
130	Resistor	.....	.....	.....	RS1/2P102JL
131	Cap	.....	.....	.....	CNS1472
132	Cord Assy	.....	.....	CDE4976	.....
133	Cord	.....	.....	.....	.....
134	Cord	.....	.....	.....	CDE4970
135	Spacer	.....	.....	.....	CNM4868

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

12.2 CD MECHANISM MODULE

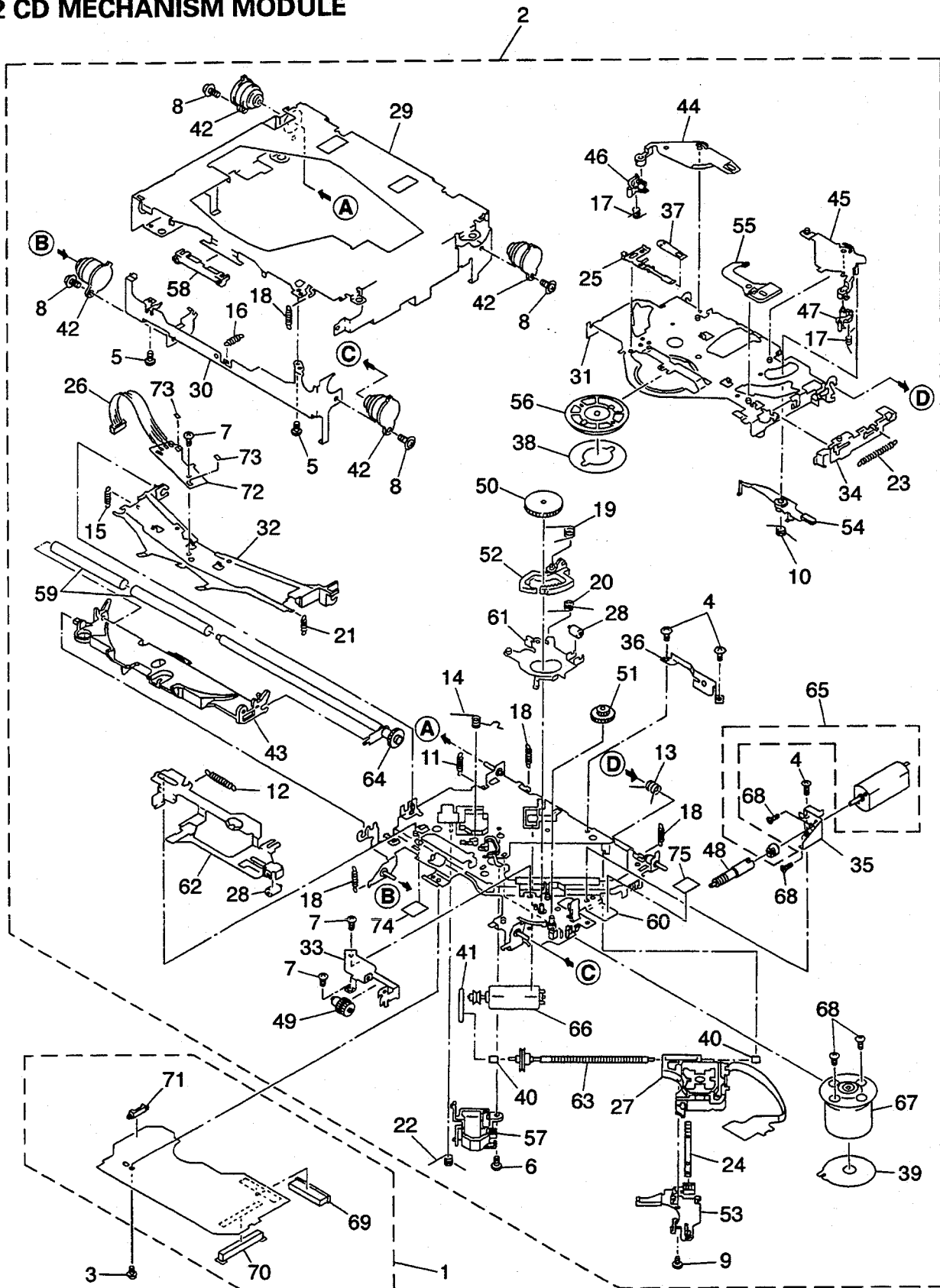


Fig. 29

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Parts List**

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Control Unit	CWX1889	46	Arm	CNV4124
2	CD Mechanism Unit	CXA8870	47	Arm	CNV4125
3	Screw	PMS26P035FMC	48	Gear	CNV4128
4	Screw	BMZ20P030FMC	49	Gear	CNV4129
5	Screw	BSZ20P040FMC	50	Gear	CNV4130
6	Screw(M2×3)	CBA1077	51	Gear	CNV4131
7	Screw(M2×2)	CBA1250	52	Arm	CNV4136
8	Screw(M2×5)	CBA1296	53	Holder	CNV4663
9	Screw(M2×3.85)	CBA1362	54	Arm	CNV4138
10	Spring	CBH1916	55	Arm	CNV4139
11	Spring	CBH1724	56	Clamper	CNV4140
12	Spring	CBH1727	57	Holder	CNV4664
13	Spring	CBH1729	58	Guide	CNV4484
14	Spring	CBH1730	59	Roller	CNV4509
15	Spring	CBH1731	60	Chassis Unit	CXA8561
16	Spring	CBH1732	61	Arm Unit	CXA8565
17	Spring	CBH1736	62	Lever Unit	CXA8567
18	Spring	CBH1745	63	Screw Unit	CXA8699
19	Spring	CBH1832	64	Gear Unit	CXA8701
20	Spring	CBH1833	65	Load Motor Unit(M3)	CXA8702
21	Spring	CBH1848	66	CRG Motor Unit(M2)	CXA8986
22	Spring	CBH1849	67	Motor Unit(M1)	CXA9100
23	Spring	CBH1863	68	Screw	JFZ20P025FMC
24	Spring	CBL1214	69	Connector(CN101)	CKS1953
25	Spring	CBL1269	70	Connector(CN701)	CKS2774
26	Connector(CN1)	CDE4576	71	Connector(CN801)	CKS2196
27	PU Unit	CGY1070	* 72	Gathering P.C.Board	CNX2445
28	Roller	CLA2627	73	Photo-transistor(Q1, 2)	CPT-230S-X
29	Frame	CNC5796	74	Sheet	CNM4873
30	Frame	CNC5797	75	Cushion	CNM3917
31	Arm	CNC5799			
* 32	Arm	CNC5801			
33	Bracket	CNC5871			
34	Lever	CNC6054			
35	Bracket	CNC6056			
* 36	Bracket	CNC6376			
37	Spacer	CNM3315			
38	Sheet	CNM4849			
39	P.C.Board	CNP4230			
40	Bearing	CNR1415			
41	Belt	CNT1071			
42	Damper	CNV3974			
43	Arm	CNV4120			
44	Arm	CNV4122			
45	Arm	CNV4123			

DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R

13. PACKING METHOD

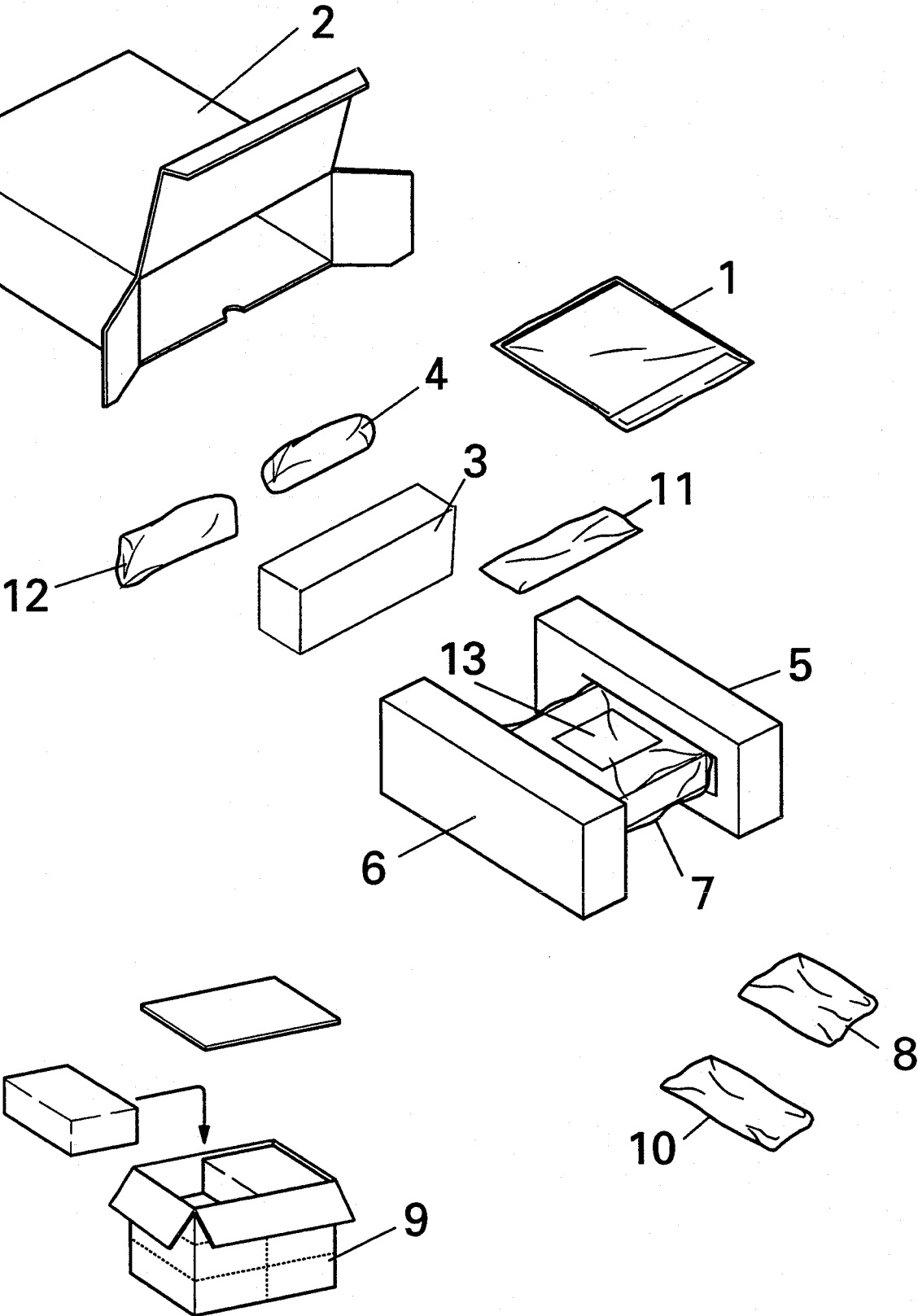


Fig.30

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Accessory Assy**

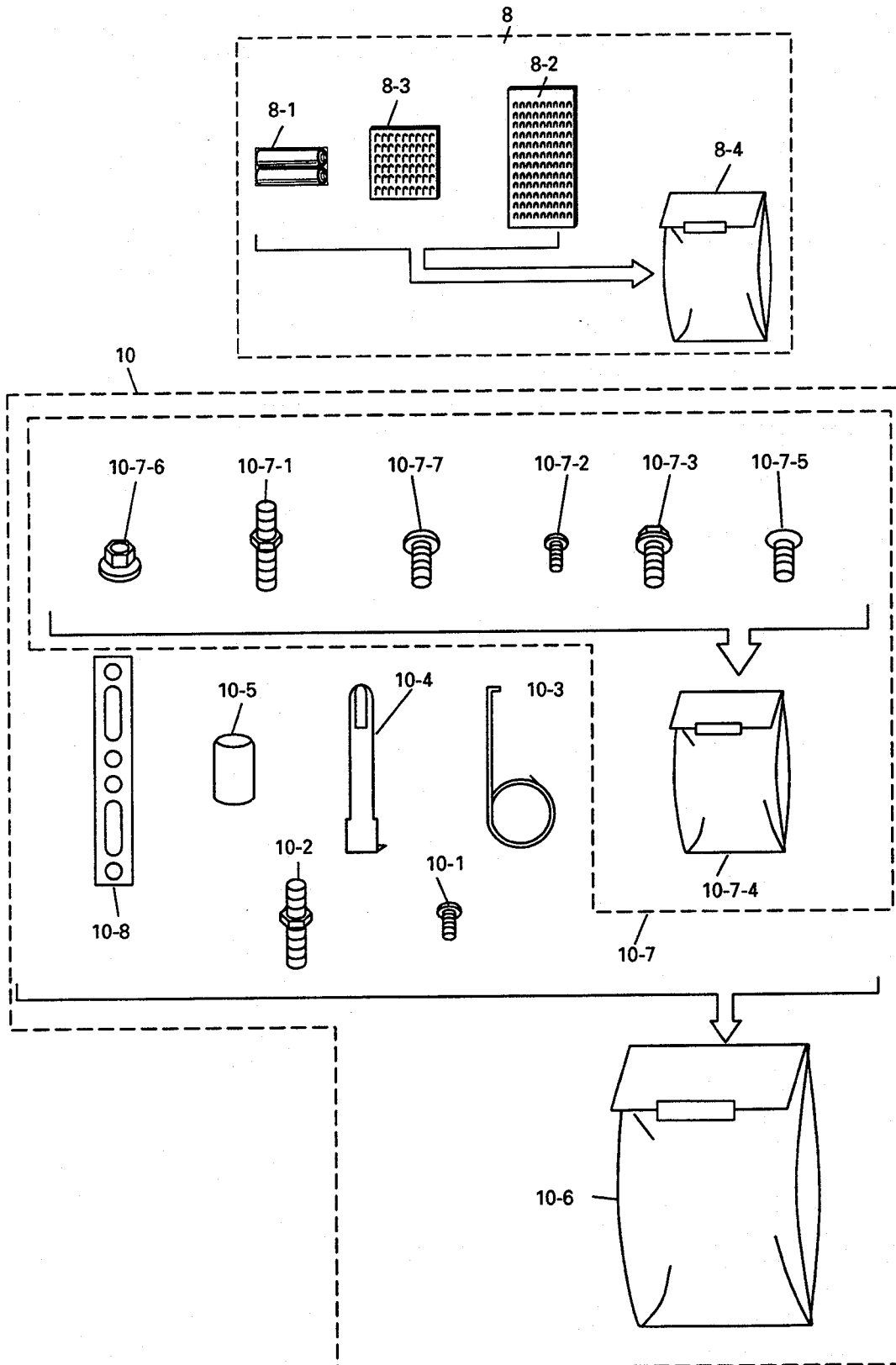


Fig.31

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Parts List**

Mark	No.	Description	DEH-P725R/EW	DEH-P725R-W/EW	DEX-P77R/EW	DEH-P725/UC	DEH-P725-W/UC
			Part No.	Part No.	Part No.	Part No.	Part No.
	1-1	Polyethylene Bag	CEG1116	CEG1116	CEG1116	CEG1116	CEG1116
	1-2	Owner's Manual	CRD1933	CRD1933	CRD1992	CRD1937	CRD1937
	1-3	Owner's Manual	CRD1934	CRD1934	CRD1993	.....	.....
	1-4	Owner's Manual	CRD1991	CRD1991	CRD1994	.....	.....
	1-5	Installation Manual	CRD2033	CRD2033	CRD2035	CRD1979	CRD1979
*	1-6	Passport	CRY1013	CRY1013	CRY1013	.....	.....
*	1-7	Warranty Card	CRY1087	CRY1087	CRY1087	.....	.....
	1-8	Chart	.....	.....	.....	CRB1376	CRB1376
*	1-9	Card	.....	.....	.....	ARY1048	ARY1048
*	1-10	Caution Card	.....	.....	CRP1144	.....	.....
	2	Carton	CHG2835	CHG2871	CHG2838	CHG2837	CHG2969
	3	Spacer	CHW1433	CHW1433	CHW1433	CHW1433	CHW1433
	4	Remote Control Assy	CXA8688	CXA8774	CXA8903	CXA8688	CXA8774
	5	Protector	CHP1766	CHP1766	CHP1766	CHP1766	CHP1766
	6	Protector	CHP1767	CHP1767	CHP1767	CHP1767	CHP1767
	7	Polyethylene Bag	CEG-162	CEG-162	CEG-162	CEG1173	CEG1173
	8	Accessory Assy	CEA2081	CEA2081	CEA2081	CEA2081	CEA2081
	8-1	Battery	CEX1006	CEX1006	CEX1006	CEX1006	CEX1006
	8-2	Fastener	CNM3729	CNM3729	CNM3729	CNM3729	CNM3729
	8-3	Fastener(X2)	CNM4256	CNM4256	CNM4256	CNM4256	CNM4256
*	8-4	Polyethylene Bag	E36-615	E36-615	E36-615	E36-615	E36-615
	9	Contain Box	CHL2835	CHL2871	CHL2838	CHL2837	CHL2969
	10	Accessory Assy	CEA2065	CEA2065	CEA2065	CEA2066	CEA2066
	10-1	Screw	CBA1120	CBA1120	CBA1120	.....	.....
	10-2	Screw	CBA1284	CBA1284	CBA1284	.....	.....
	10-3	Spring	CBH-865	CBH-865	CBH-865	CBH-865	CBH-865
	10-4	Handle(X2)	CNC4947	CNC4947	CNC4947	CNC4947	CNC4947
	10-5	Bush	CNV1009	CNV1009	CNV1009	CNV1009	CNV1009
	10-6	Polyethylene Bag	E36-615	E36-615	E36-615	CEG-158	CEG-158
	10-7	Screw Assy	.....	.....	.....	CEA2068	CEA2068
	10-7-1	Screw	.....	.....	.....	CBA1284	CBA1284
	10-7-2	Screw	.....	.....	.....	CBA1120	CBA1120
	10-7-3	Screw	.....	.....	.....	CBA-102	CBA-102
*	10-7-4	Polyethylene Bag	.....	.....	.....	CEG-127	CEG-127
	10-7-5	Screw(X4)	.....	.....	.....	CRZ50P090FMC	CRZ50P090FMC
	10-7-6	Nut(X2)	.....	.....	.....	NF50FMC	NF50FMC
	10-7-7	Screw(X4)	.....	.....	.....	TRZ50P080FMC	TRZ50P080FMC
	10-8	Strap	.....	.....	.....	CNF-111	CNF-111
	11	Cord Assy	CDE4648	CDE4648	.....	CDE4976	CDE4976
	11	Cord	.....	.....	CDE4799	.....	.....
	12	Case Assy	CXA7194	CXA7194	CXA7194	CXA7194	CXA7194
*	13	Caution Card	CRP1145	CRP1145	CRP1145	CRP1145	CRP1145

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

Mark	No.	Description	DEH-P723/ES	DEH-P625/UC	DEX-P88/UC
			Part No.	Part No.	Part No.
	1-1	Polyethylene Bag	CEG1116	CEG1116	CEG1116
	1-2	Owner's Manual	CRD1939	CRD1938	CRD1936
	1-3	Owner's Manual	.....	.....	.....
	1-4	Owner's Manual	CRD1995	.....	.....
	1-5	Installation Manual	CRD1981	CRD1982	CRD1978
*	1-6	Passport	.....	.....	.....
*	1-7	Warranty Card	.....	.....	CRY1070
	1-8	Chart	.....	.....	.....
*	1-9	Card	.....	ARY1048	.....
*	1-10	Caution Card	.....	.....	CRP1144
	2	Carton	CHG2836	CHG2839	CHG2840
	3	Spacer	CHW1433	.....	CHW1433
	4	Remote Control Assy	CXA8688	.....	CXA8688
	5	Protector	CHP1766	CHP1766	CHP1766
	6	Protector	CHP1767	CHP1767	CHP1767
	7	Polyethylene Bag	CEG-162	CEG1173	CEG1173
	8	Accessory Assy	CEA2081	.....	CEA2081
	8-1	Battery	CEX1006	.....	CEX1006
	8-2	Fastener	CNM3729	.....	CNM3729
	8-3	Fastener(X2)	CNM4256	.....	CNM4256
*	8-4	Polyethylene Bag	E36-615	.....	E36-615
	9	Contain Box	CHL2836	CHL2839	CHL2840
	10	Accessory Assy	CEA2067	CEA2066	CEA2066
	10-1	Screw	.....	.....	.....
	10-2	Screw	.....	.....	.....
	10-3	Spring	CBH-865	CBH-865	CBH-865
	10-4	Handle(X2)	CNC4947	CNC4947	CNC4947
	10-5	Bush	CNV1009	CNV1009	CNV1009
	10-6	Polyethylene Bag	CEG-158	CEG-158	CEG-158
	10-7	Screw Assy	CEA2069	CEA2068	CEA2068
	10-7-1	Screw	CBA1284	CBA1284	CBA1284
	10-7-2	Screw	CBA1120	CBA1120	CBA1120
	10-7-3	Screw	.....	CBA-102	CBA-102
*	10-7-4	Polyethylene Bag	CEG-127	CEG-127	CEG-127
	10-7-5	Screw(X4)	CRZ50P090FMC	CRZ50P090FMC	CRZ50P090FMC
	10-7-6	Nut(X2)	.....	NF50FMC	NF50FMC
	10-7-7	Screw(X4)	TRZ50P080FMC	TRZ50P080FMC	TRZ50P080FMC
	10-8	Strap	.....	CNF-111	CNF-111
	11	Cord Assy	CDE4648	CDE4976	.....
	11	Cord	.....	.....	CDE4970
	12	Case Assy	CXA7194	CXA7194	CXA7194
*	13	Caution Card	CRP1145	CRP1145	CRP1145

**DEH-P725R,P725R-W,P725,P725-W,P723,P625,
DEX-P88,P77R**

● **Owner's Manual**

Model	Part No.	Language
DEH-P725R/EW DEH-P725R-W/EW	CRD1933	English, Spanish
	CRD1934	French, German
	CRD1991	Italian, Dutch
DEX-P77R/EW	CRD1992	English, Spanish
	CRD1993	French, German
	CRD1994	Italian, Dutch
DEH-P725/UC, DEH-P725-W/UC	CRD1937	English, French
DEH-P723/ES	CRD1939	English, Arabic
	CRD1995	French, Spanish
DEH-P625/UC	CRD1938	English, French
DEX-P88/UC	CRD1936	English, French

● **Installation Manual**

Model	Part No.	Language
DEH-P725R/EW, DEH-P725R-W/EW	CRD2033	English, Spanish, French, German, Italian, Dutch
DEX-P77R/EW	CRD2035	English, Spanish, French, German, Italian, Dutch
DEH-P725/UC, DEH-P725-W/UC	CRD1979	English, French
DEH-P723/ES	CRD1981	English, Arabic, French, Spanish
DEH-P625/UC	CRD1982	English, French
DEX-P88/UC	CRD1978	English, French